

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053041.D
 Acq On : 20 Dec 2018 5:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 06:48:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1153296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1763474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1579539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	687379	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	591884	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
35) Dibromofluoromethane	7.59	113	472800	58.69	ug/l	0.00
Spiked Amount			Recovery	=	117.38%	
50) Toluene-d8	10.09	98	2224466	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	752670	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	512527	43.910	ug/l	100
3) Chloromethane	2.06	50	656617	46.423	ug/l	99
4) Vinyl Chloride	2.19	62	679417	47.429	ug/l	100
5) Bromomethane	2.57	94	439419	44.275	ug/l	100
6) Chloroethane	2.71	64	391165	46.107	ug/l	100
7) Trichlorofluoromethane	3.03	101	857241	48.038	ug/l	99
8) Diethyl Ether	3.41	74	340334	50.553	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	520770	45.770	ug/l	97
10) Methyl Iodide	3.96	142	782118	48.949	ug/l	99
11) Tert butyl alcohol	4.78	59	177745	248.901	ug/l	99
12) 1,1-Dichloroethene	3.74	96	533510	48.534	ug/l	97
13) Acrolein	3.61	56	188694	291.410	ug/l	98
14) Allyl chloride	4.33	41	810715	47.614	ug/l	97
15) Acrylonitrile	4.99	53	976935	246.248	ug/l	99
16) Acetone	3.82	43	614013	267.574	ug/l	97
17) Carbon Disulfide	4.06	76	1526431	42.580	ug/l	100
18) Methyl Acetate	4.33	43	505969	48.608	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1505803	51.189	ug/l	99
20) Methylene Chloride	4.55	84	603153	48.185	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	567132	48.020	ug/l	98
22) Diisopropyl ether	5.95	45	1857109	51.098	ug/l	96
23) Vinyl Acetate	5.90	43	5347052	255.852	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1070706	49.577	ug/l	99
25) 2-Butanone	6.83	43	1017565	264.224	ug/l	98
26) 2,2-Dichloropropane	6.83	77	616412	37.390	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	659396	49.317	ug/l	98
28) Bromochloromethane	7.20	49	459747	49.127	ug/l	94
29) Tetrahydrofuran	7.21	42	717205	249.350	ug/l	97
30) Chloroform	7.37	83	1047545	49.376	ug/l	99
31) Cyclohexane	7.65	56	977267	48.210	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	876200	48.481	ug/l	99
36) 1,1-Dichloropropene	7.79	75	821308	48.523	ug/l	99
37) Ethyl Acetate	6.93	43	486207	51.456	ug/l	98
38) Carbon Tetrachloride	7.77	117	746637	48.125	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	922041	44.842	ug/l	98
40) Benzene	8.04	78	2497395	49.604	ug/l	100
41) Methacrylonitrile	7.18	41	287326	52.628	ug/l	95
42) 1,2-Dichloroethane	8.13	62	723309	48.631	ug/l	98
43) Isopropyl Acetate	8.16	43	921420	50.399	ug/l	98
44) Trichloroethene	8.83	130	696126	47.803	ug/l	97
45) 1,2-Dichloropropane	9.12	63	662695	50.534	ug/l	99
46) Dibromomethane	9.21	93	371791	48.667	ug/l	98
47) Bromodichloromethane	9.40	83	791340	48.731	ug/l	100
48) Methyl methacrylate	9.20	41	461437	50.325	ug/l	98
49) 1,4-Dioxane	9.20	88	107468	926.566	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2375794	259.630	ug/l	98
52) Toluene	10.16	92	1549645	49.658	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	803313	47.044	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	936517	47.781	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	539547	49.559	ug/l	100
56) Ethyl methacrylate	10.43	69	744299	51.652	ug/l	97
57) 1,3-Dichloropropane	10.71	76	935155	50.091	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2019636	255.295	ug/l	98
59) 2-Hexanone	10.75	43	1593501	257.382	ug/l	98
60) Dibromochloromethane	10.90	129	600589	48.194	ug/l	99
61) 1,2-Dibromoethane	11.01	107	548053	49.567	ug/l	99
64) Tetrachloroethene	10.63	164	794177	46.416	ug/l	98
65) Chlorobenzene	11.43	112	1715353	48.991	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	602687	49.498	ug/l	100
67) Ethyl Benzene	11.51	91	2954772	49.071	ug/l	100
68) m/p-Xylenes	11.62	106	2211931	96.629	ug/l	99
69) o-Xylene	11.95	106	1083657	49.334	ug/l	100
70) Styrene	11.96	104	1786379	49.874	ug/l	100
71) Bromoform	12.13	173	407215	46.295	ug/l #	100
73) Isopropylbenzene	12.25	105	2844195	52.884	ug/l	99
74) N-amyl acetate	12.07	43	895313	59.961	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	589156	55.838	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	788068	68.105	ug/l #	100
77) Bromobenzene	12.53	156	735618	52.619	ug/l	97
78) n-propylbenzene	12.59	91	3194532	52.154	ug/l	99
79) 2-Chlorotoluene	12.68	91	1862062	49.044	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2226355	50.788	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	167032	46.526	ug/l	98
82) 4-Chlorotoluene	12.77	91	1892744	50.927	ug/l	99
83) tert-Butylbenzene	12.99	119	1950066	50.299	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2282765	51.801	ug/l	99
85) sec-Butylbenzene	13.17	105	2551029	48.647	ug/l	99
86) p-Isopropyltoluene	13.29	119	2192235	48.381	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1205222	48.709	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1193822	47.644	ug/l	100
89) n-Butylbenzene	13.62	91	1776258	45.565	ug/l	99
90) Hexachloroethane	13.88	117	327702	47.128	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1114664	47.867	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82756	45.362	ug/l	97

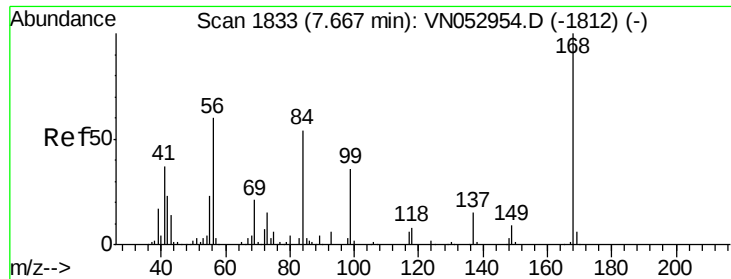
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	569459	46.202	ug/l	100
94) Hexachlorobutadiene	15.01	225	300246	46.818	ug/l	99
95) Naphthalene	15.13	128	1273935	47.203	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	512756	46.192	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

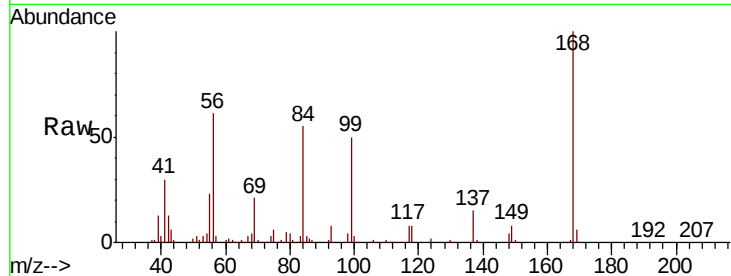
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1153296

Ion Ratio Lower Upper

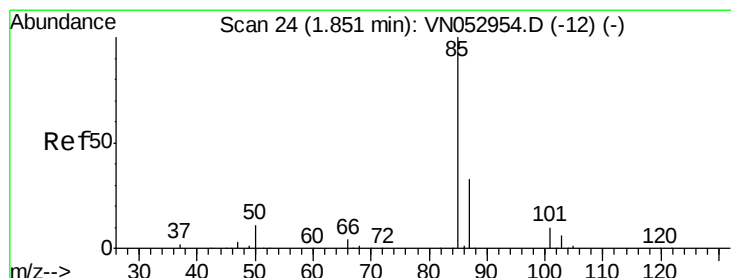
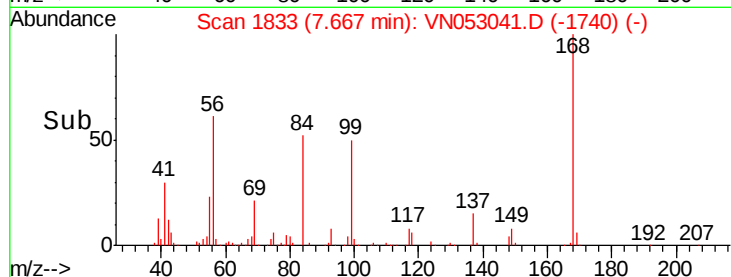
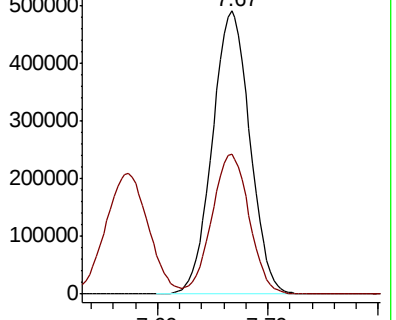
168 100

99 49.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.910 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053041.D

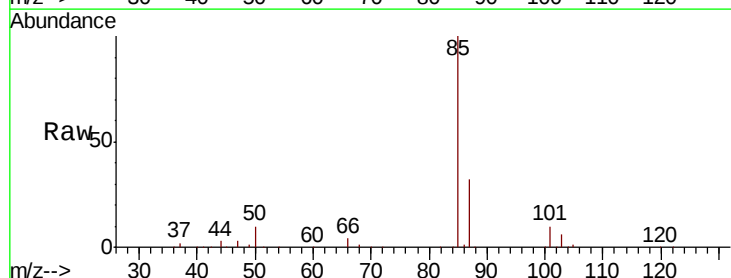
Acq: 20 Dec 2018 5:30

Tgt Ion: 85 Resp: 512527

Ion Ratio Lower Upper

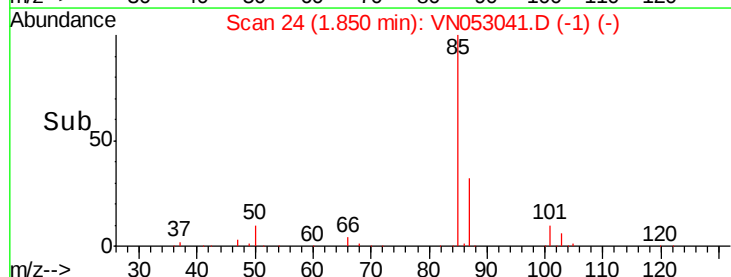
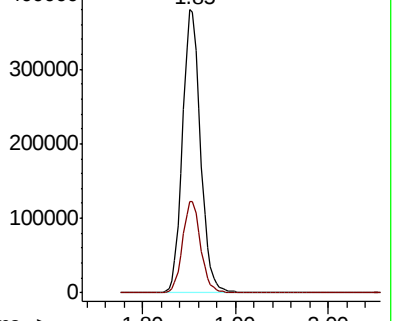
85 100

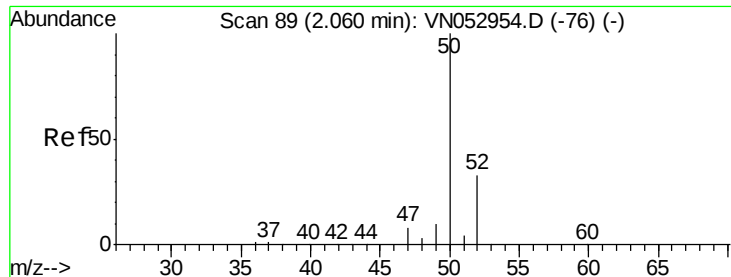
87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.423 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

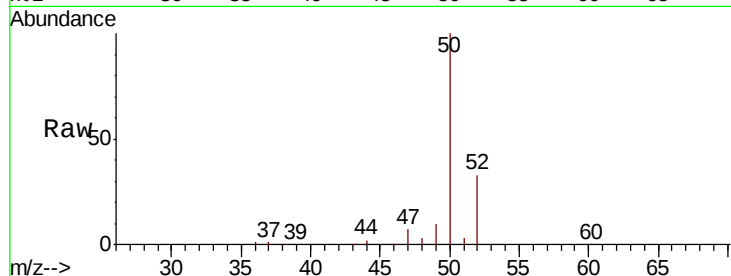
ClientSampleId :

Tot Ion: 50 Resp: 656617

Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

400000

300000

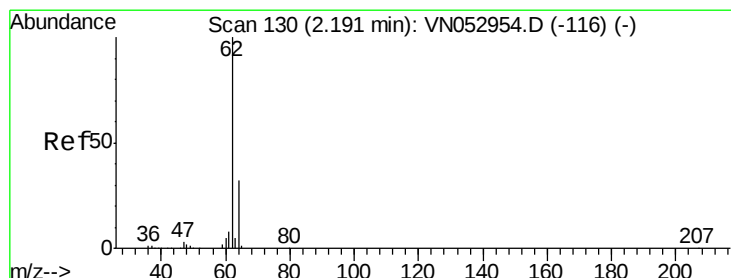
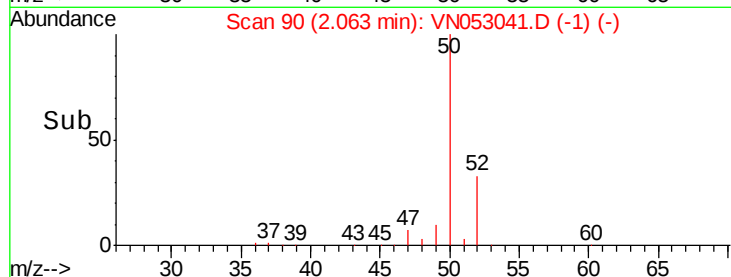
200000

100000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 47.429 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053041.D

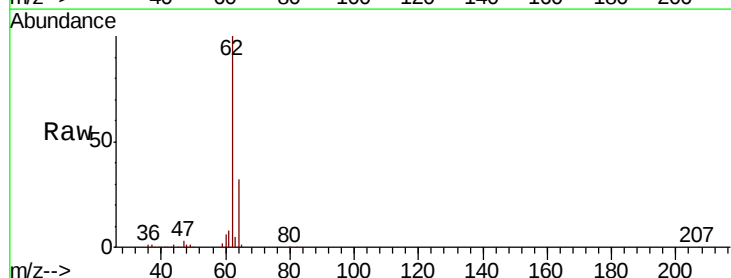
Acq: 20 Dec 2018 5:30

Tgt Ion: 62 Resp: 679417

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.19

500000

400000

300000

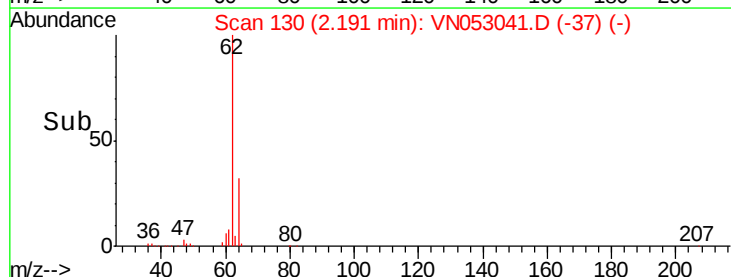
200000

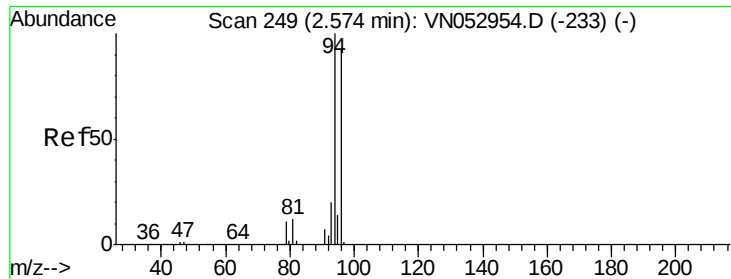
100000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 44.275 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

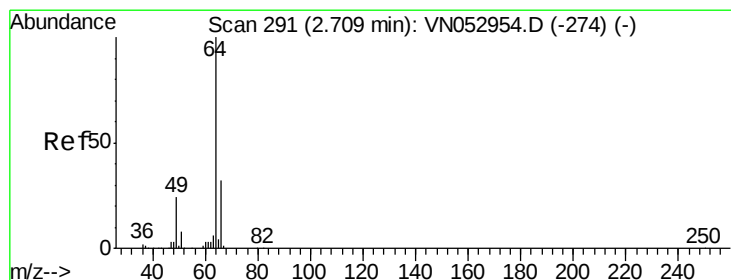
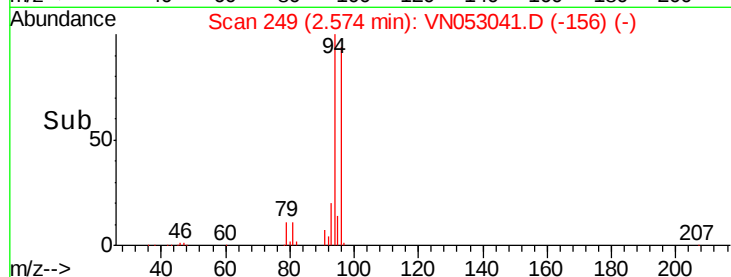
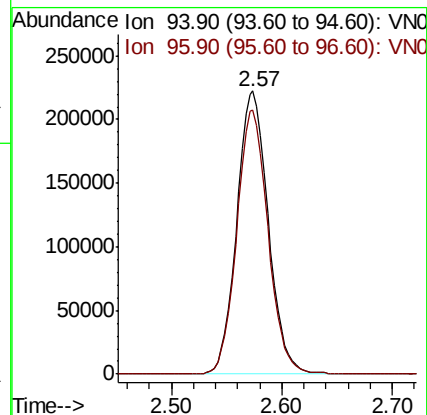
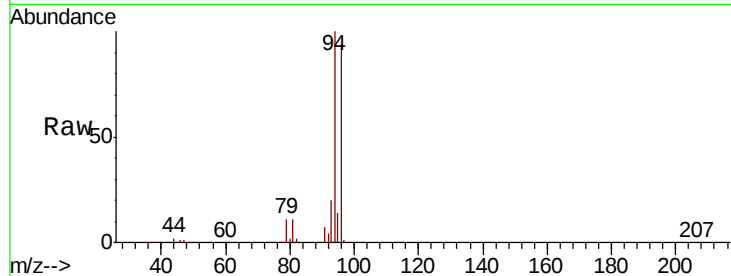
ClientSampled :

Tot Ion: 94 Resp: 439419

Ion Ratio Lower Upper

94 100

96 93.5 75.0 112.4



#6

Chloroethane

Concen: 46.107 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053041.D

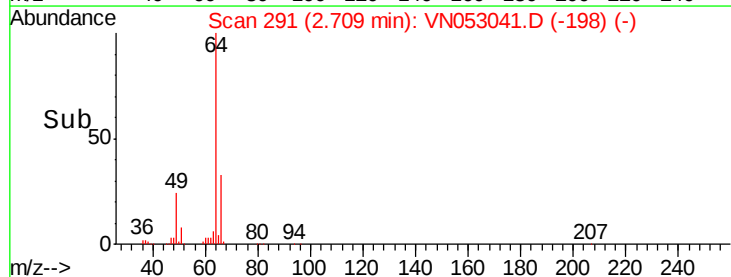
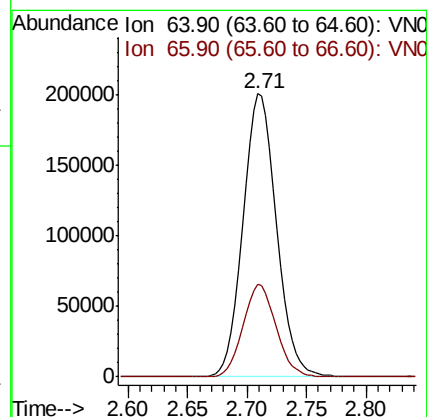
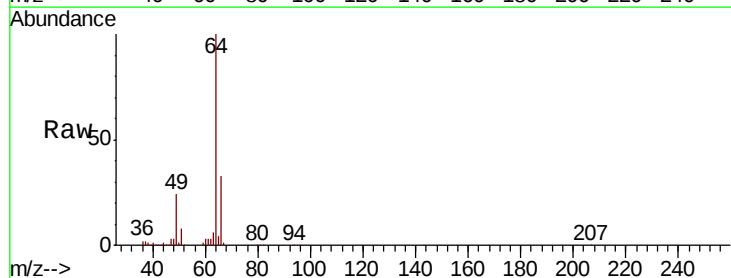
Acq: 20 Dec 2018 5:30

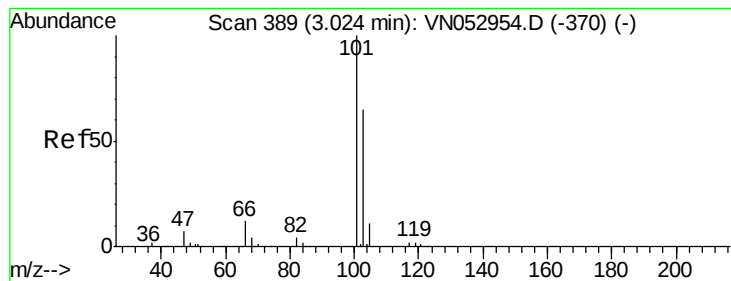
Tgt Ion: 64 Resp: 391165

Ion Ratio Lower Upper

64 100

66 32.6 26.2 39.2





#7

Trichlorofluoromethane

Concen: 48.038 ug/l

RT: 3.03 min Scan# 390

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

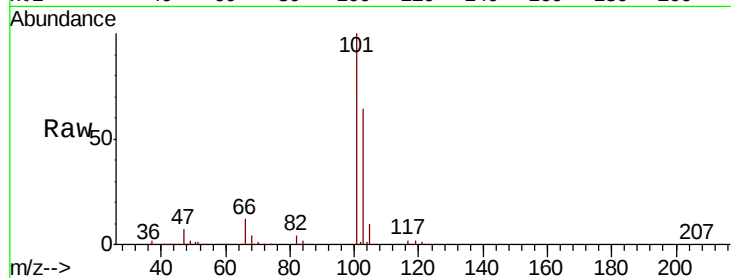
ClientSampleId :

Tot Ion:101 Resp: 857241

Ion Ratio Lower Upper

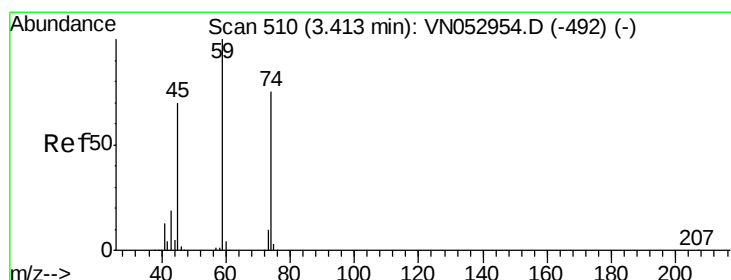
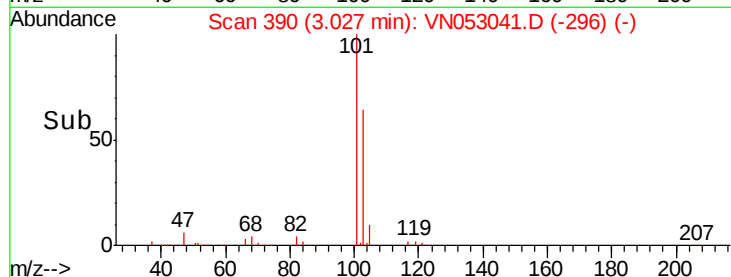
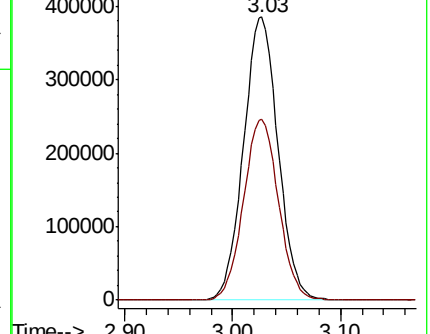
101 100

103 64.1 51.8 77.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 50.553 ug/l

RT: 3.41 min Scan# 510

Delta R.T. -0.00 min

Lab File: VN053041.D

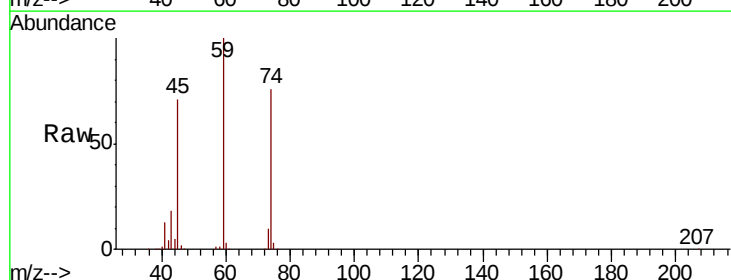
Acq: 20 Dec 2018 5:30

Tgt Ion: 74 Resp: 340334

Ion Ratio Lower Upper

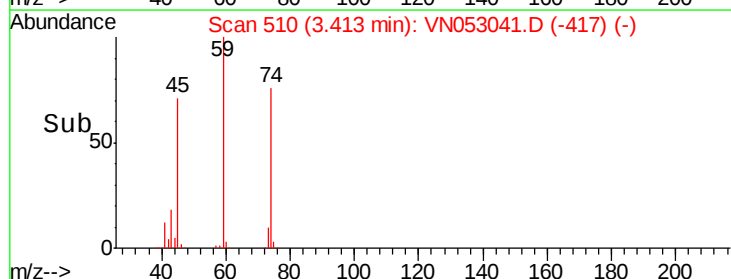
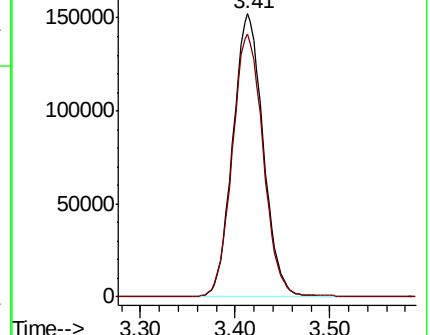
74 100

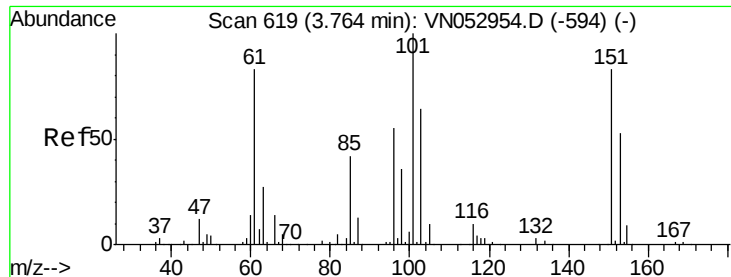
45 93.8 49.4 148.0



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.770 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

ClientSampleId :

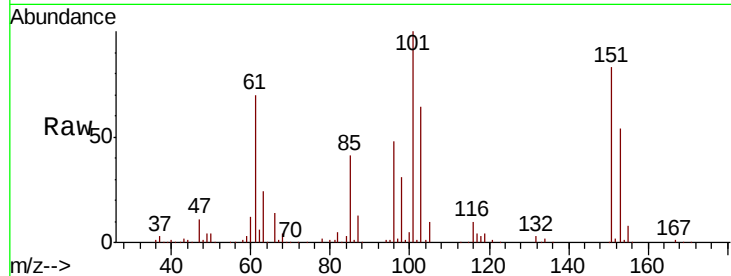
Tot Ion:101 Resp: 520770

Ion Ratio Lower Upper

101 100

85 41.0 33.6 50.4

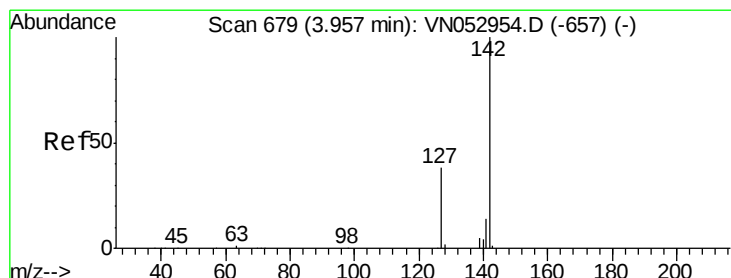
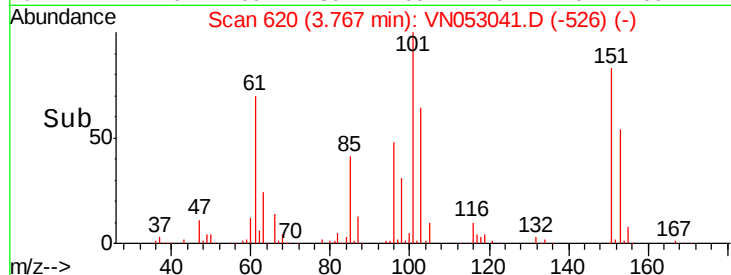
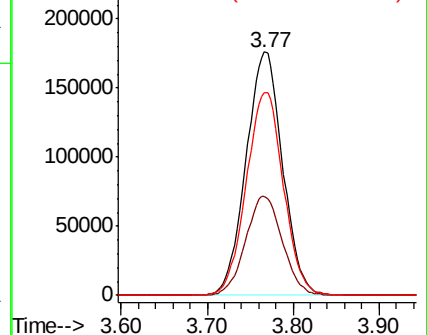
151 84.7 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.949 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

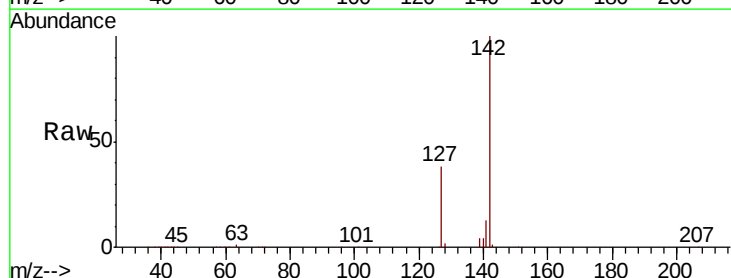
Tgt Ion:142 Resp: 782118

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.6

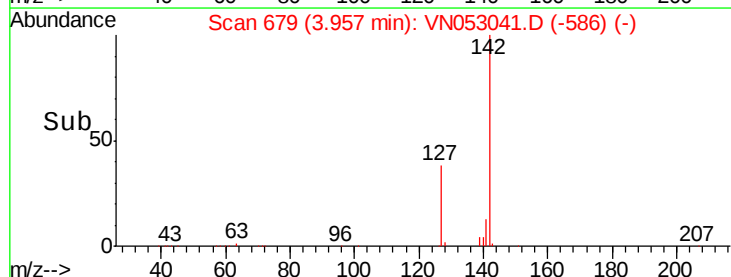
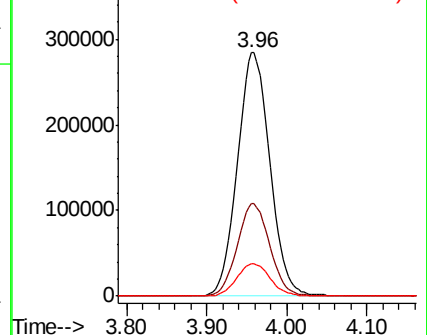
141 13.7 11.2 16.8

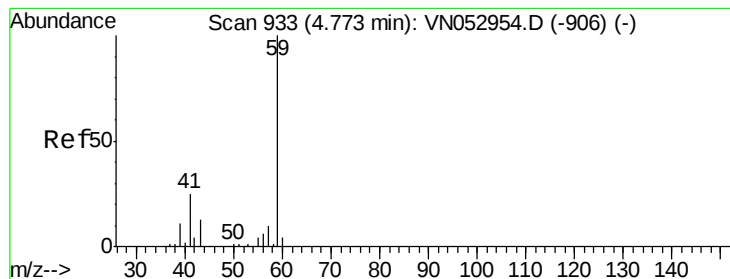


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



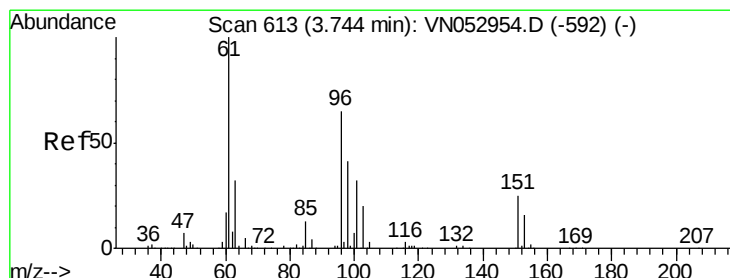
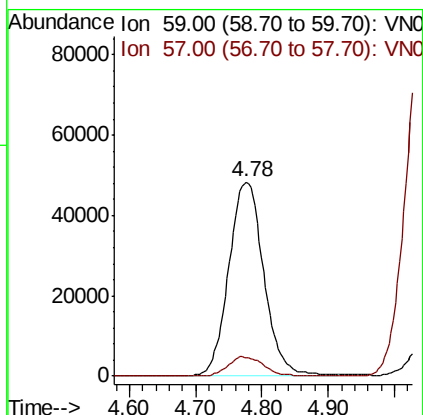
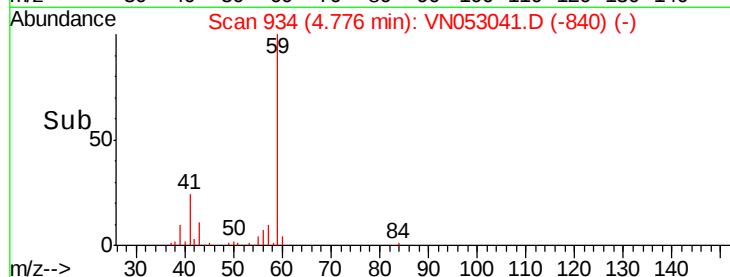
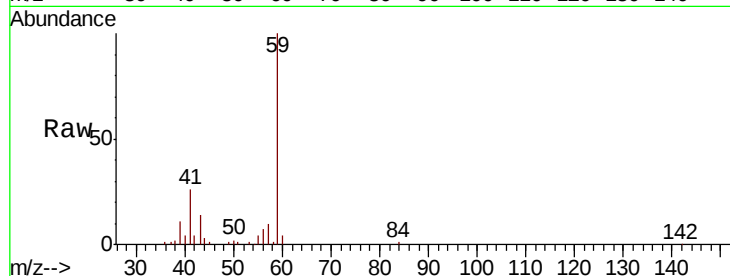


#11

Tert butyl alcohol
Concen: 248.901 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Instrument :
MSVOA_N
ClientSampleId :

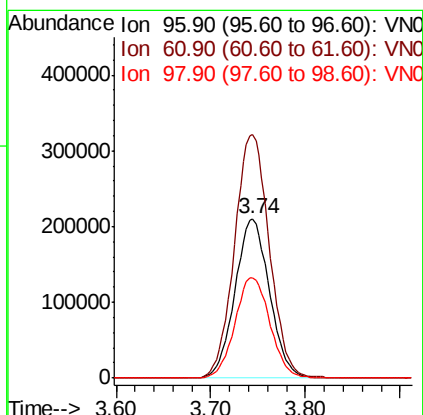
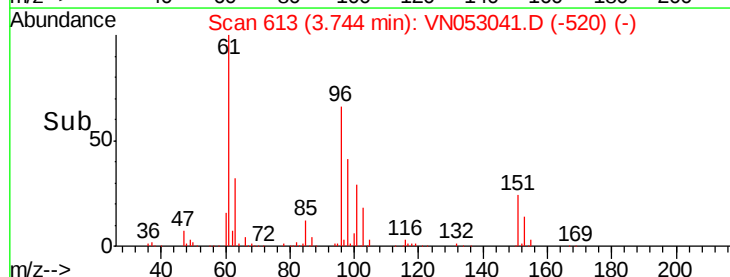
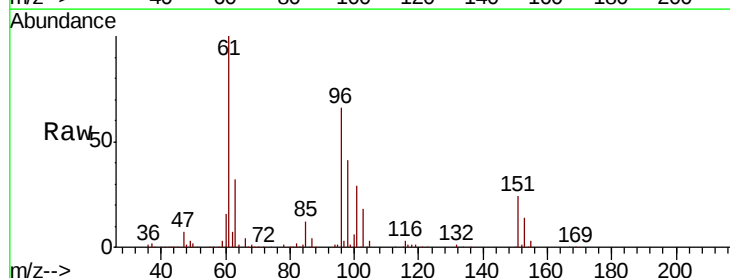
Tot Ion: 59 Resp: 177745
Ion Ratio Lower Upper
59 100
57 10.0 7.7 11.5

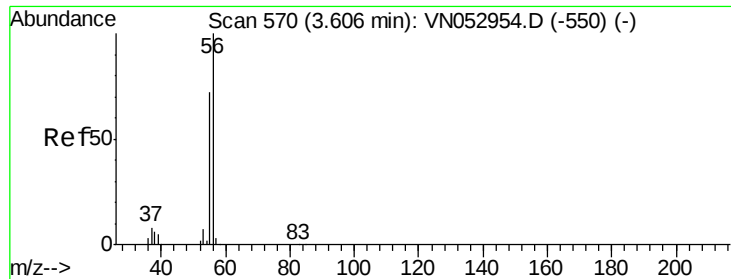


#12

1,1-Dichloroethene
Concen: 48.534 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Tgt Ion: 96 Resp: 533510
Ion Ratio Lower Upper
96 100
61 152.6 125.6 188.4
98 62.8 50.6 75.8

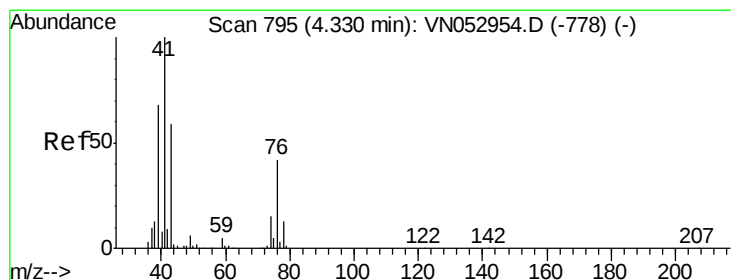
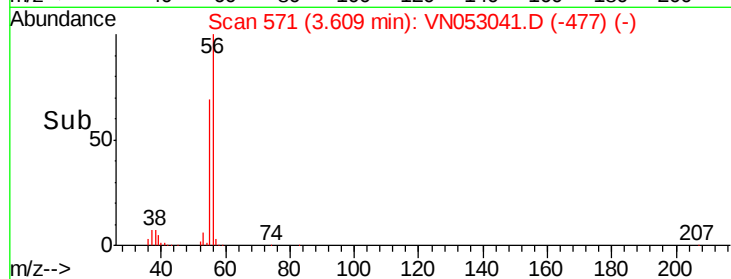
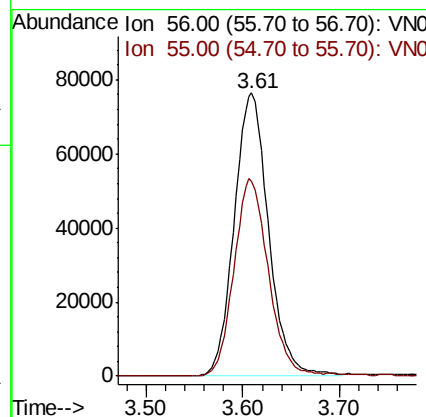
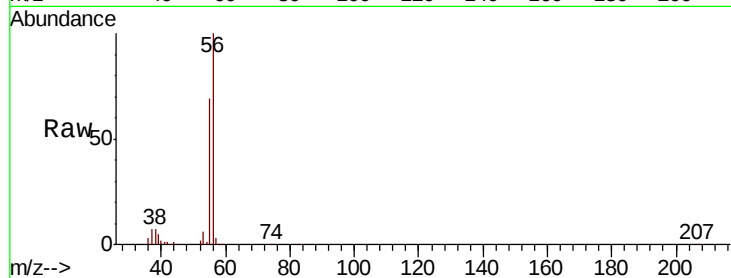




#13
Acrolein
Concen: 291.410 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

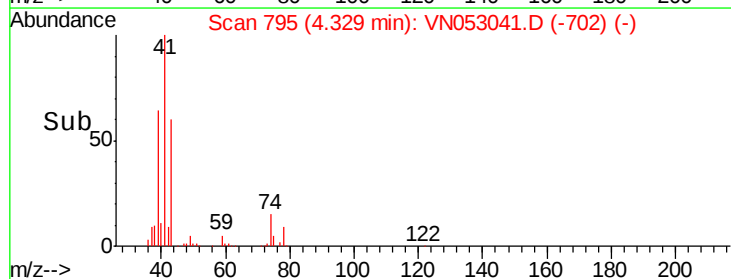
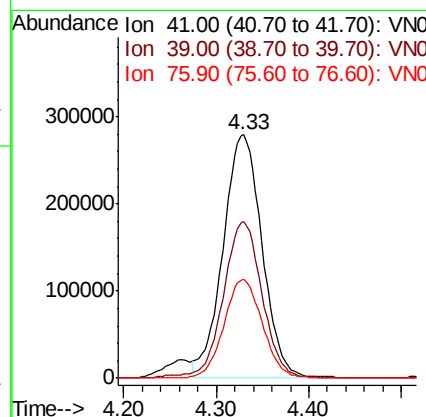
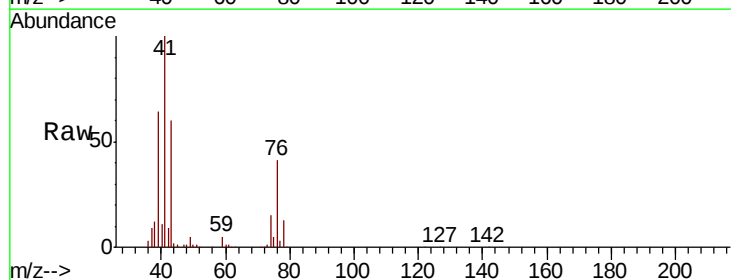
Instrument :
MSVOA_N
ClientSampleId :

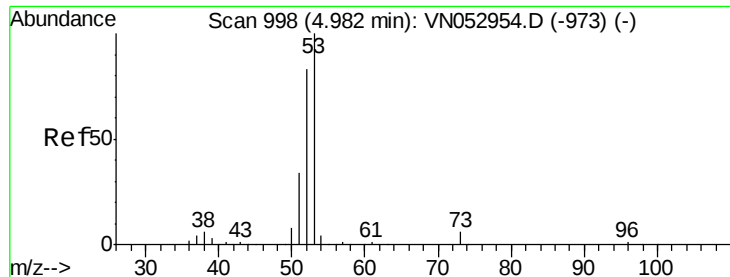
Tot Ion: 56 Resp: 188694
Ion Ratio Lower Upper
56 100
55 69.5 56.6 85.0



#14
Allyl chloride
Concen: 47.614 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Tgt Ion: 41 Resp: 810715
Ion Ratio Lower Upper
41 100
39 64.6 54.1 81.1
76 39.5 30.3 45.5





#15

Acrylonitrile

Concen: 246.248 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

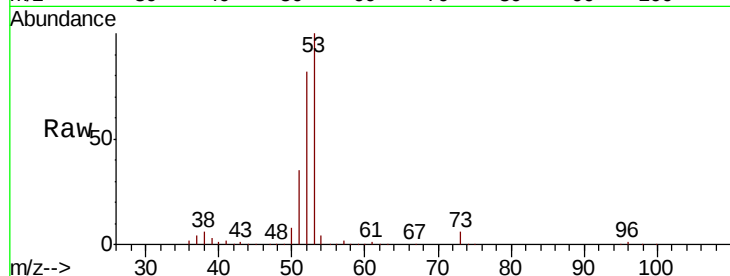
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 976935

Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.1	97.7
51	35.6	28.1	42.1

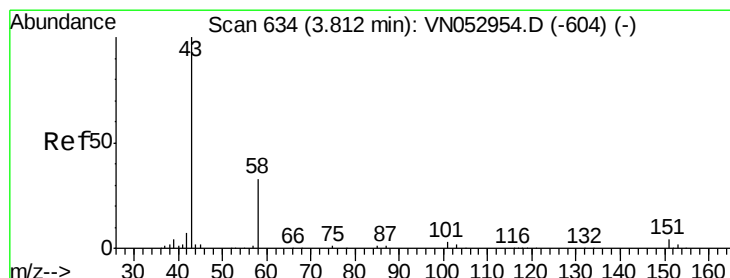
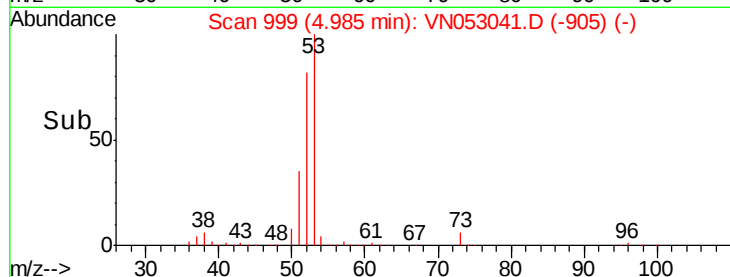
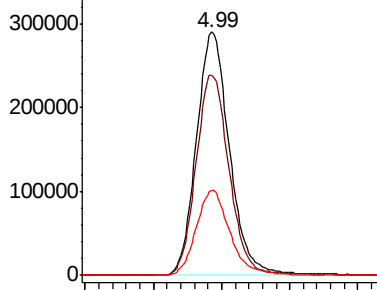


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 267.574 ug/l

RT: 3.82 min Scan# 635

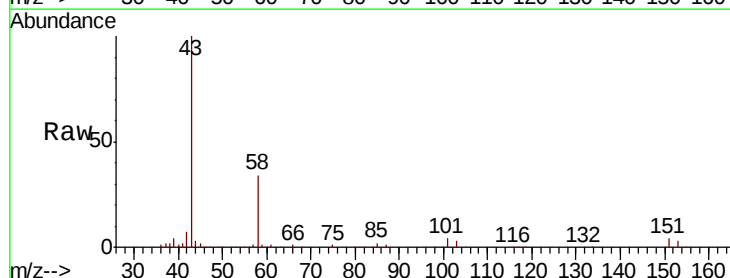
Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Tgt Ion: 43 Resp: 614013

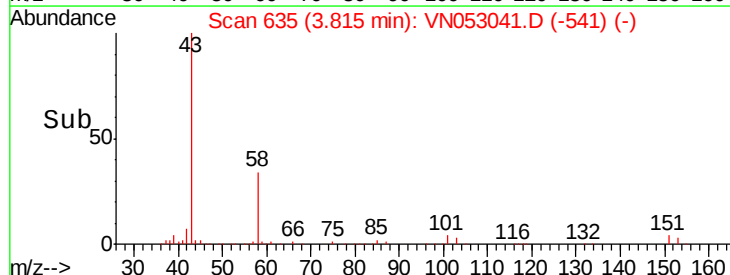
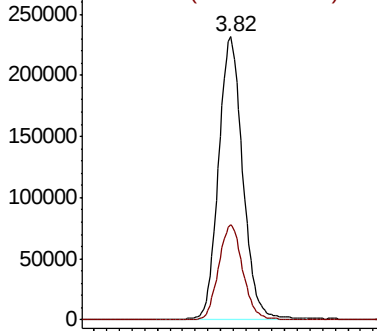
Ion	Ratio	Lower	Upper
43	100		
58	33.6	25.4	38.0

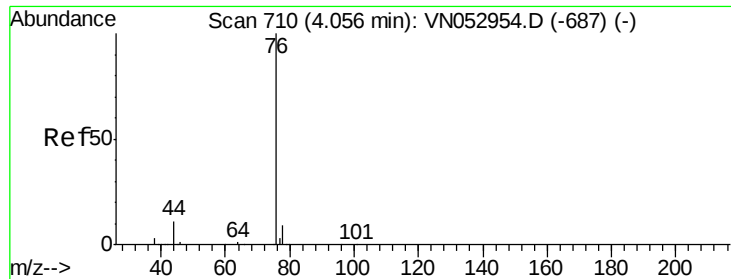


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

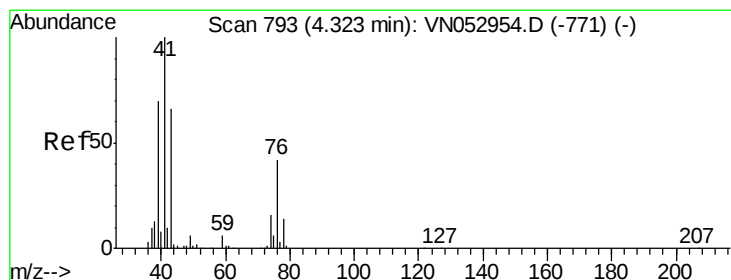
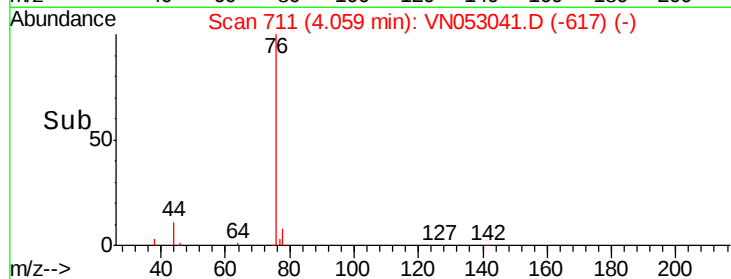
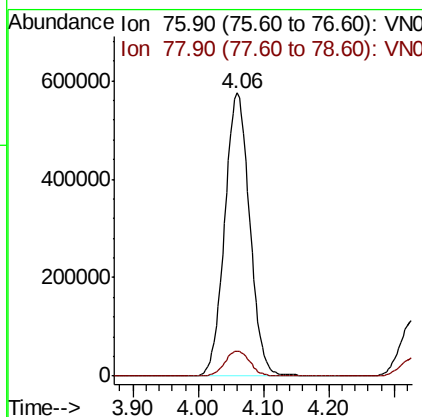
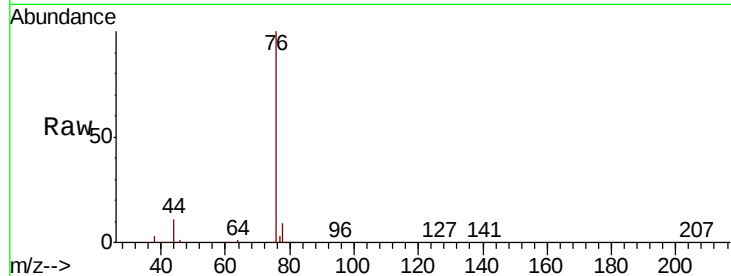




#17
Carbon Disulfide
Concen: 42.580 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

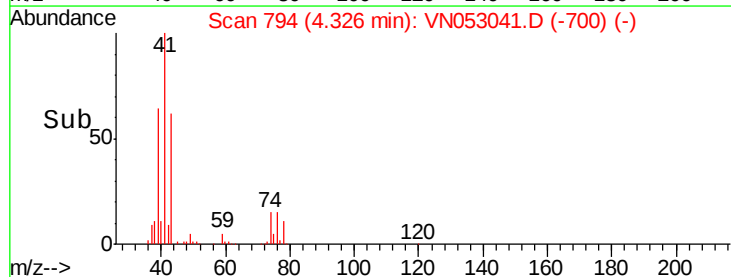
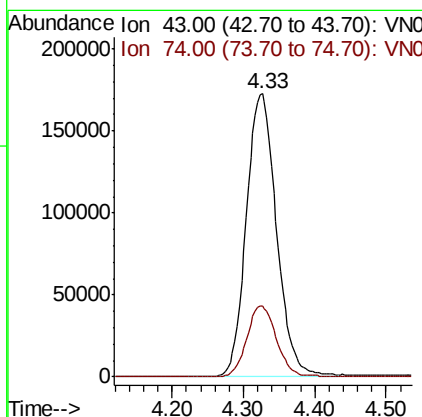
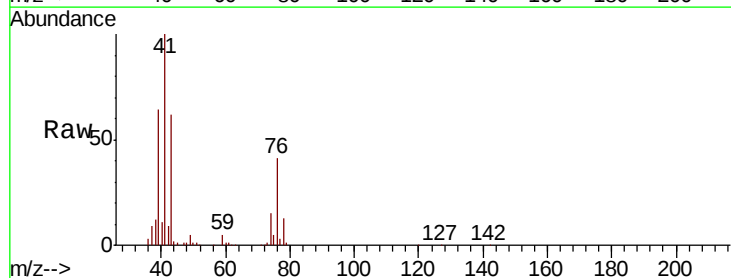
Instrument :
MSVOA_N
ClientSampleId :

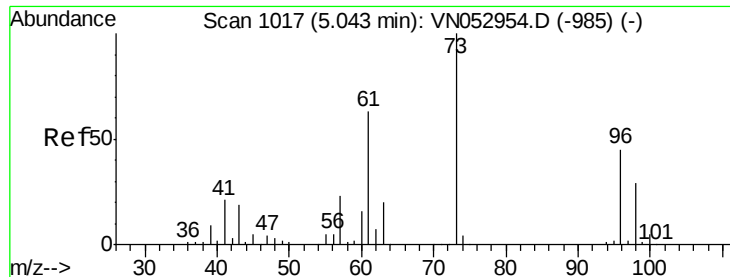
Tot Ion: 76 Resp: 1526431
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 48.608 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Tgt Ion: 43 Resp: 505969
Ion Ratio Lower Upper
43 100
74 24.9 19.2 28.8



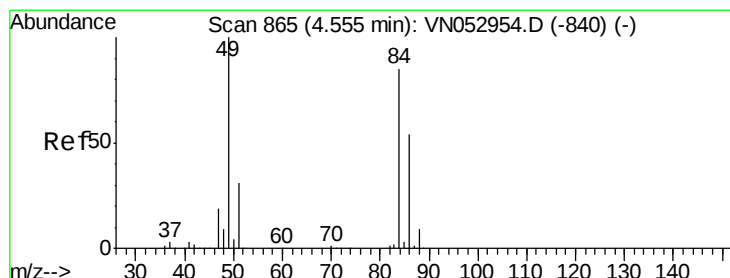
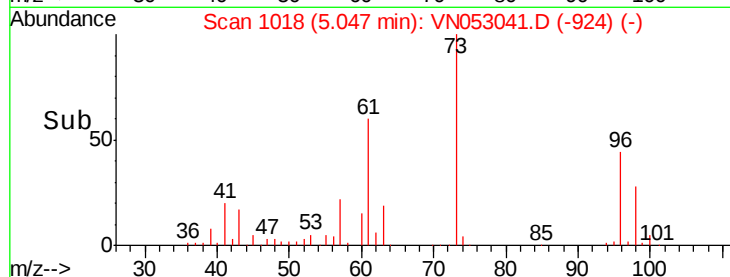
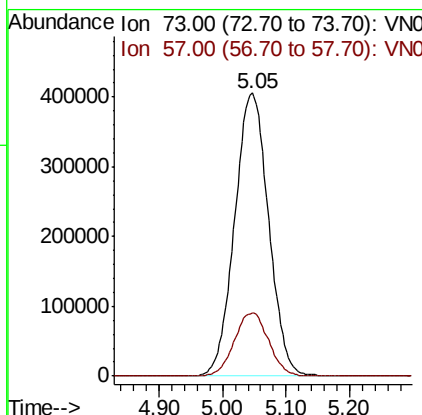
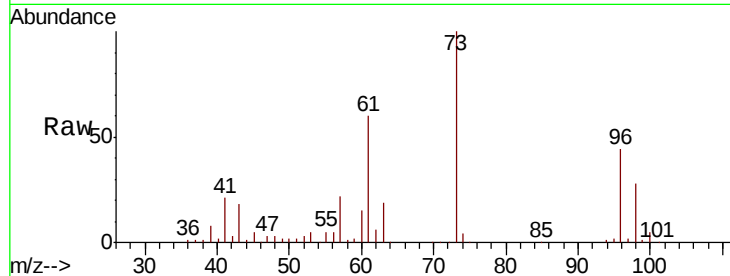


#19

Methyl tert-butyl Ether
 Concen: 51.189 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

Instrument :
 MSVOA_N
 ClientSampled :

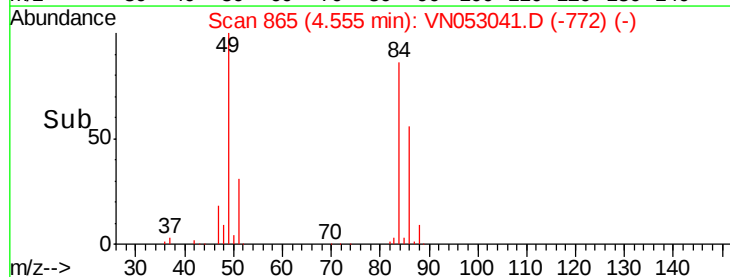
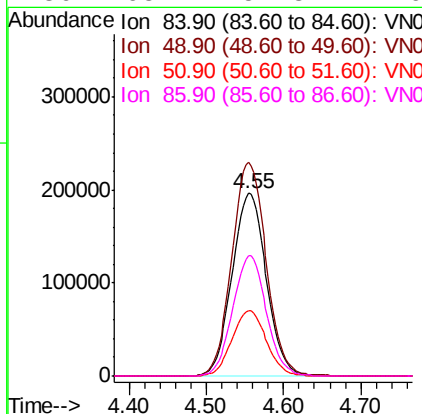
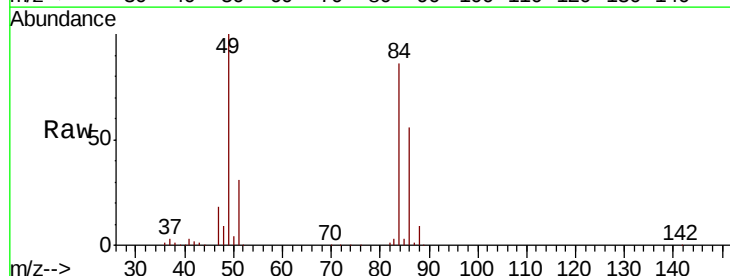
Tot Ion: 73 Resp: 1505803
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.4 27.6

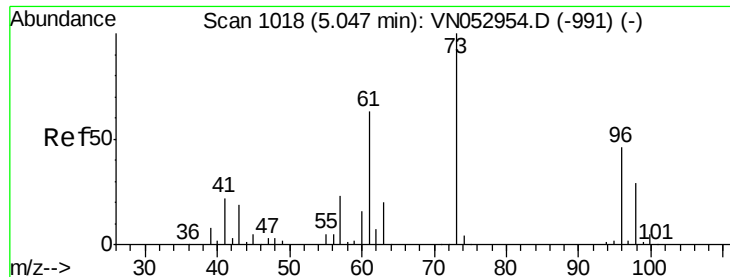


#20

Methylene Chloride
 Concen: 48.185 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

Tgt Ion: 84 Resp: 603153
 Ion Ratio Lower Upper
 84 100
 49 117.0 96.8 145.2
 51 35.9 29.9 44.9
 86 65.7 51.8 77.6

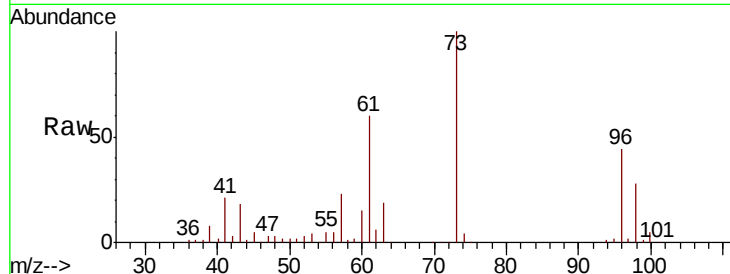




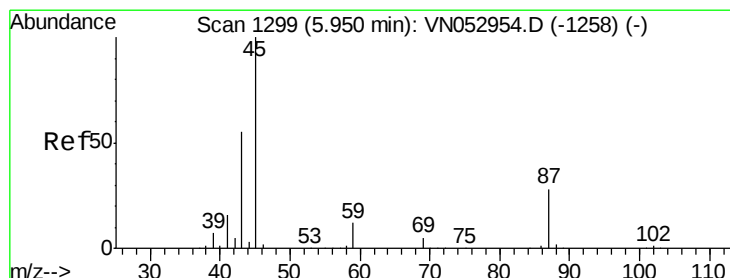
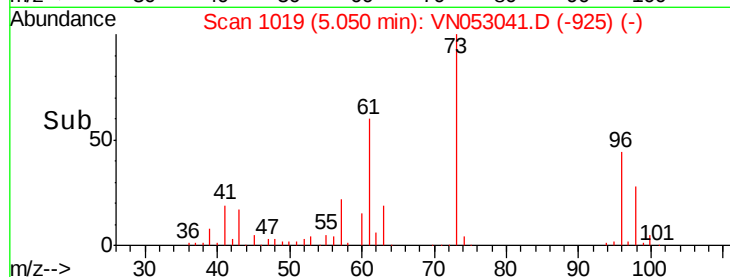
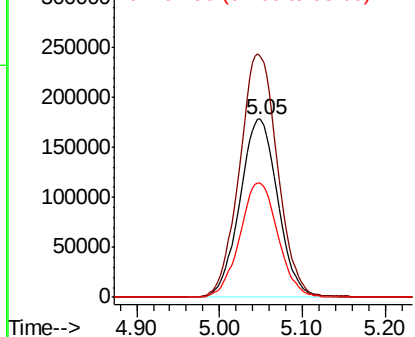
#21
trans-1,2-Dichloroethene
Concen: 48.020 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 567132
Ion Ratio Lower Upper
96 100
61 135.6 110.8 166.2
98 64.1 51.4 77.2

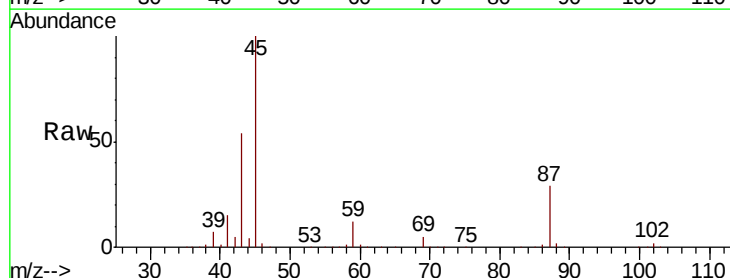


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

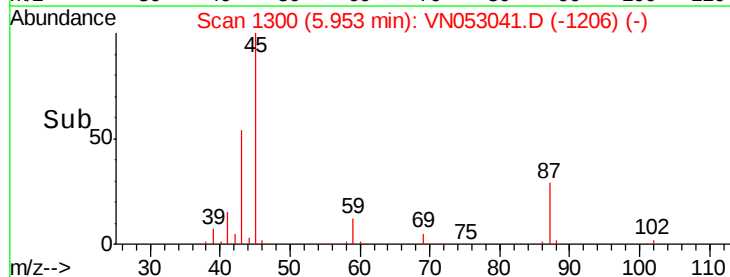
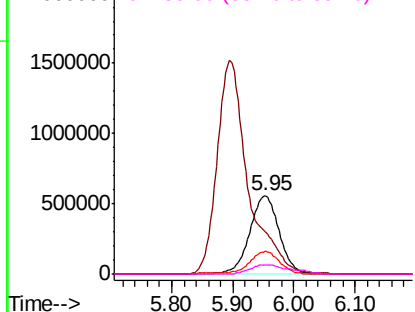


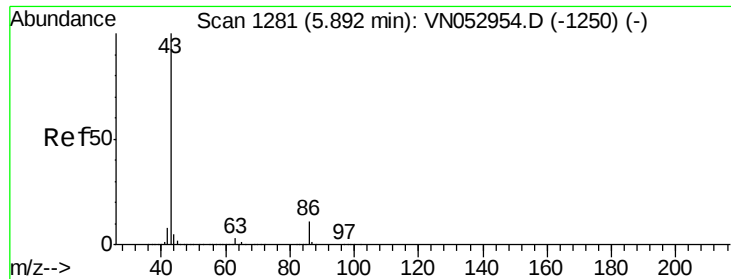
#22
Diisopropyl ether
Concen: 51.098 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Tgt Ion: 45 Resp: 1857109
Ion Ratio Lower Upper
45 100
43 53.2 45.5 68.3
87 28.6 22.0 33.0
59 11.8 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 255.852 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

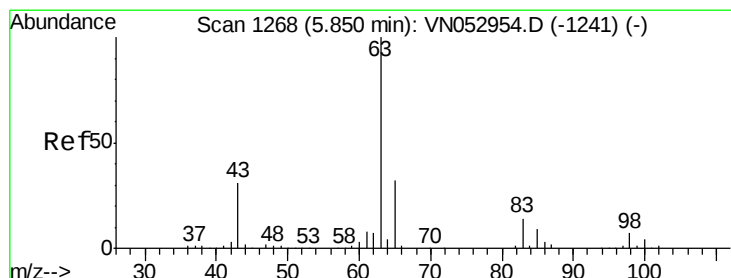
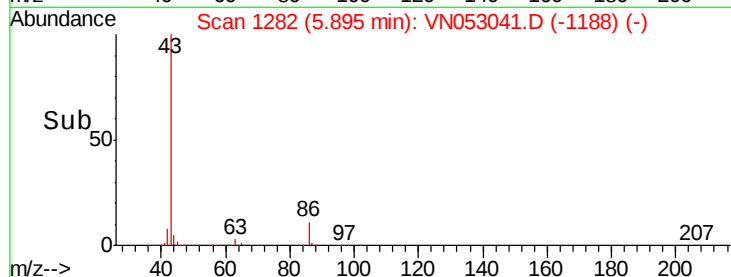
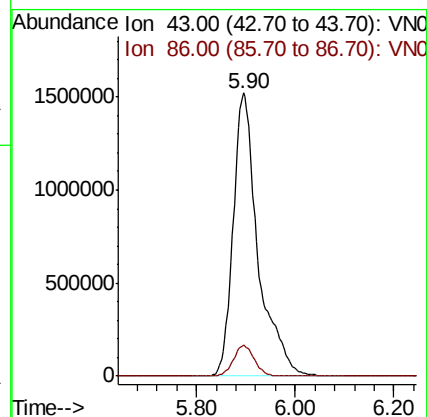
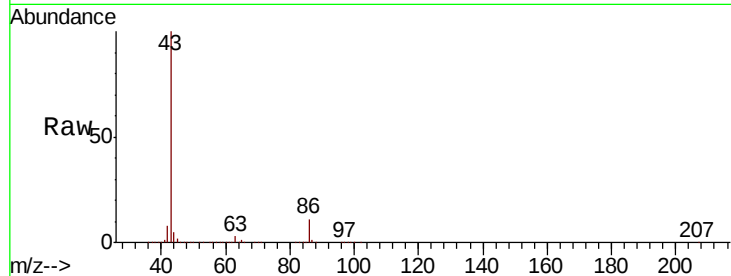
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 5347052

Ion Ratio Lower Upper

43 100

86 10.9 8.1 12.1



#24

1,1-Dichloroethane

Concen: 49.577 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

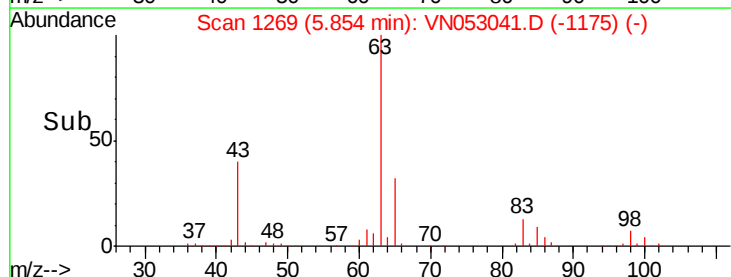
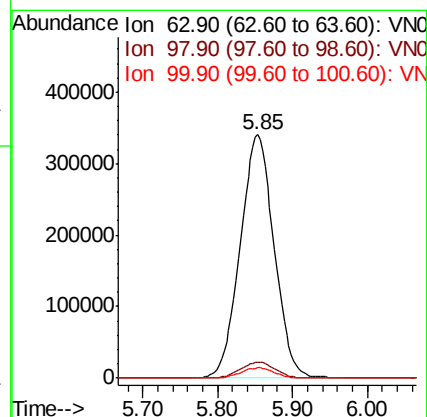
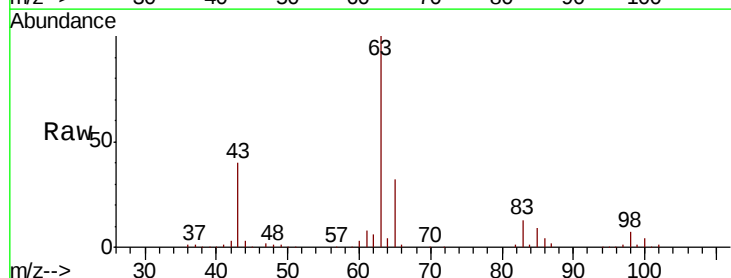
Tgt Ion: 63 Resp: 1070706

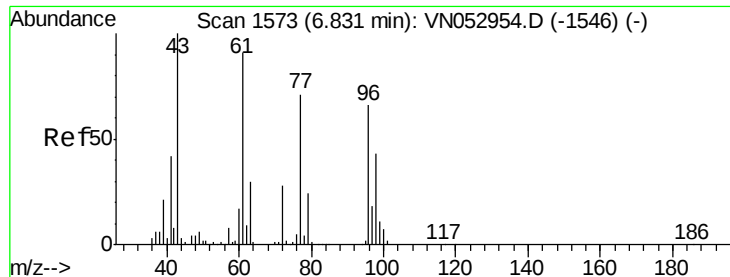
Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.2 2.0 5.8





#25

2-Butanone

Concen: 264.224 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

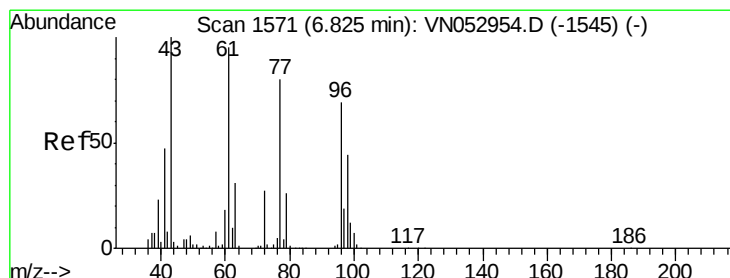
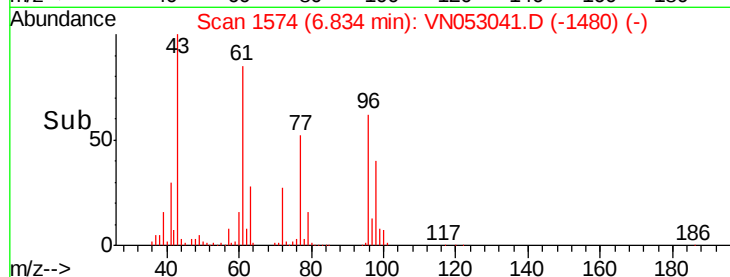
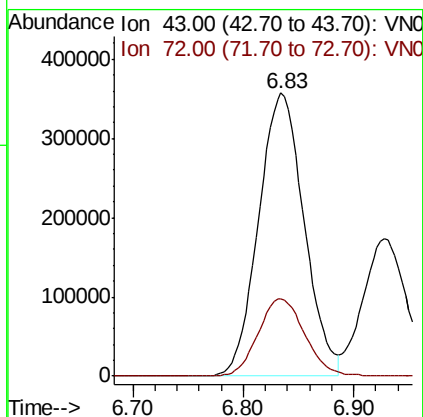
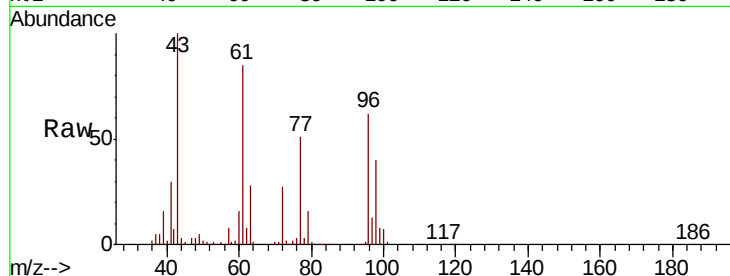
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1017565

Ion Ratio Lower Upper

43 100

72 27.4 21.0 31.6



#26

2,2-Dichloropropane

Concen: 37.390 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053041.D

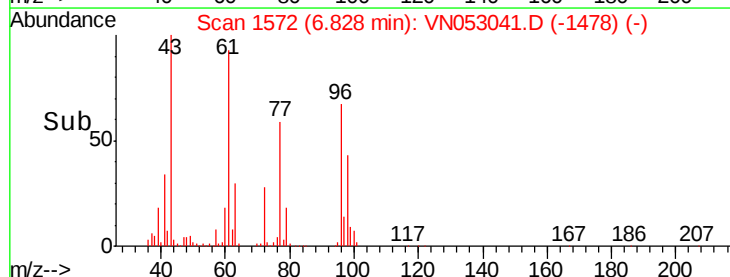
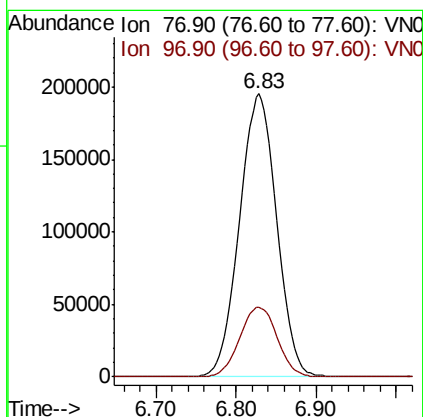
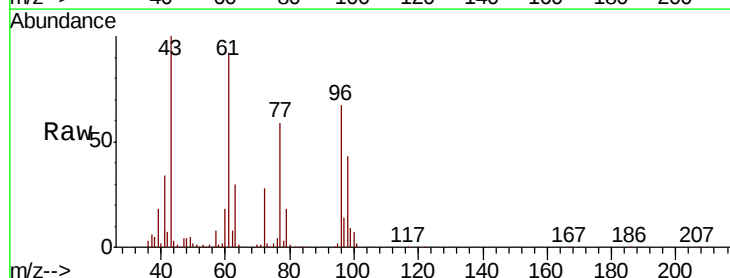
Acq: 20 Dec 2018 5:30

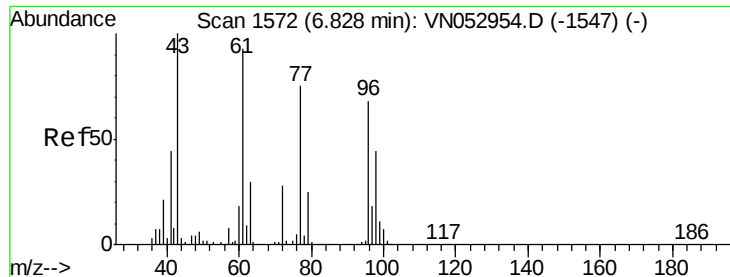
Tgt Ion: 77 Resp: 616412

Ion Ratio Lower Upper

77 100

97 24.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.317 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :
MSVOA_N
ClientSampled :

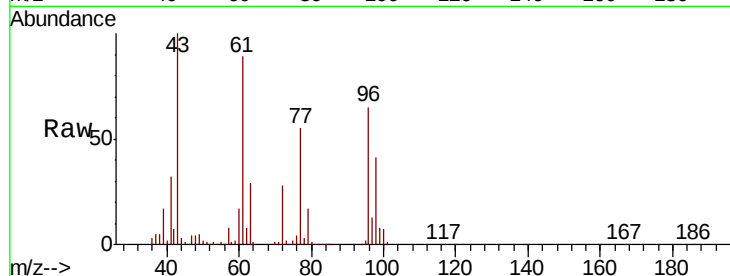
Tot Ion: 96 Resp: 659396

Ion Ratio Lower Upper

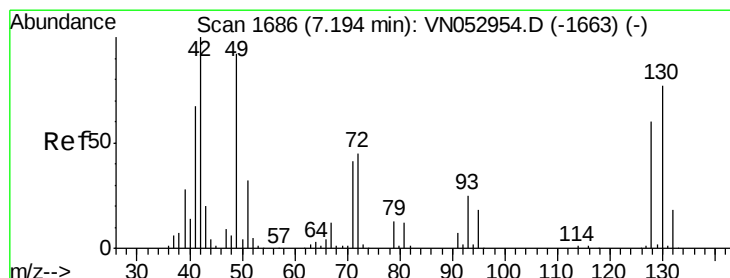
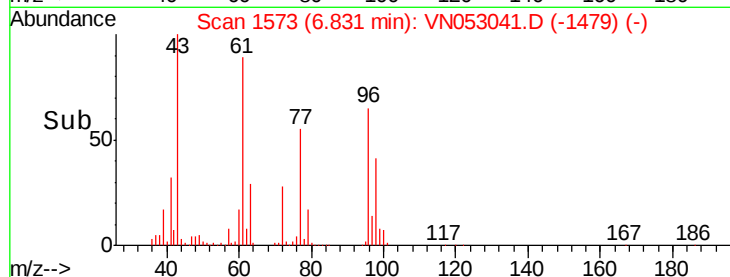
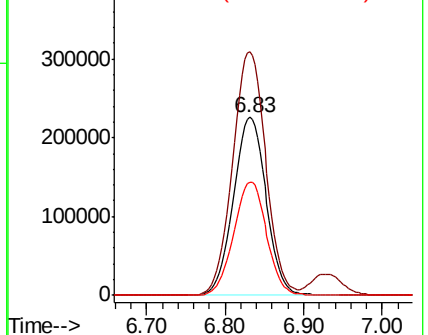
96 100

61 138.2 0.0 284.2

98 64.1 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.127 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

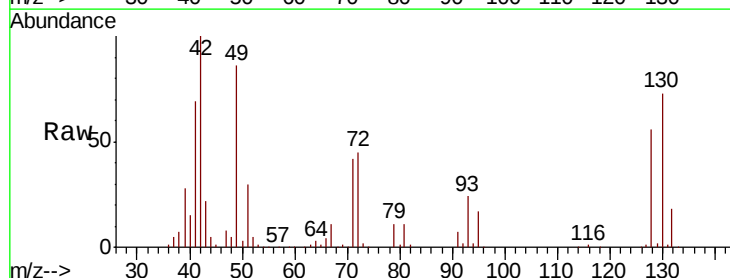
Tgt Ion: 49 Resp: 459747

Ion Ratio Lower Upper

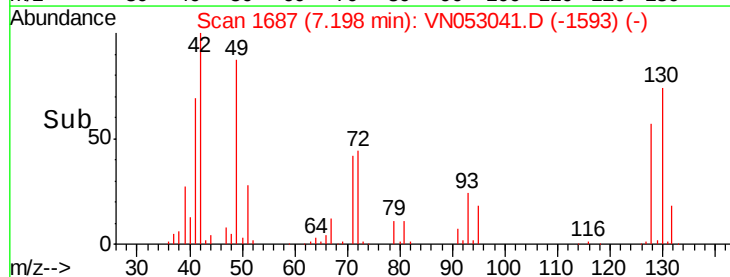
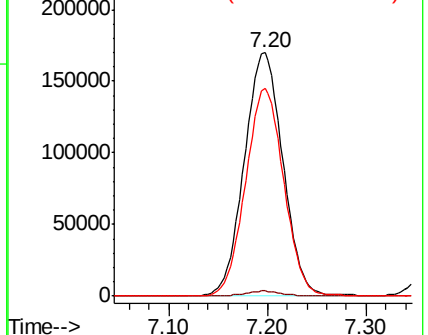
49 100

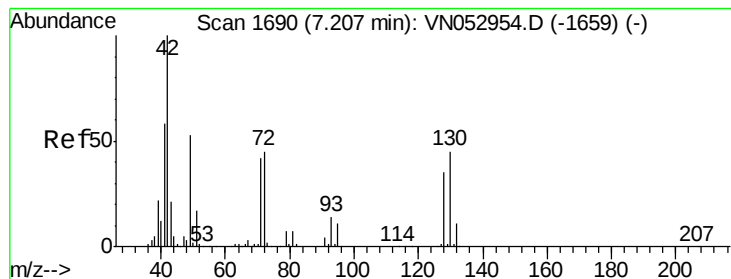
129 2.0 0.0 4.0

130 84.6 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 249.350 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :
MSVOA_N
ClientSampled :

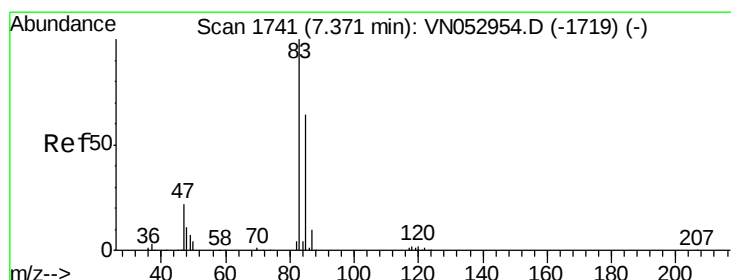
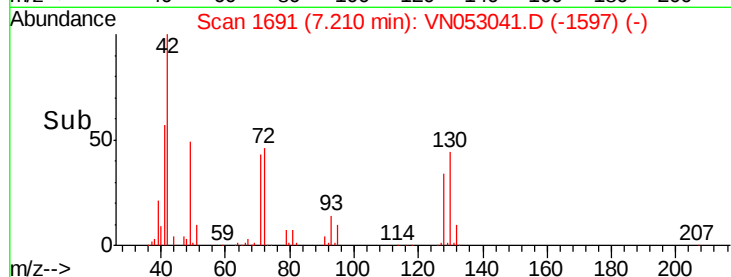
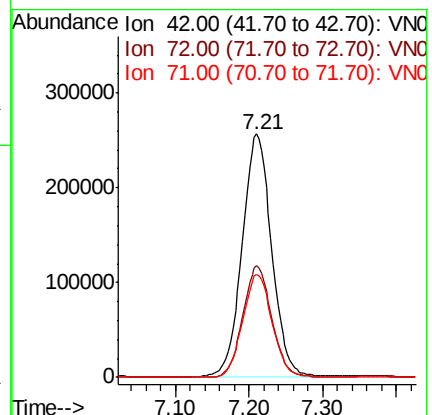
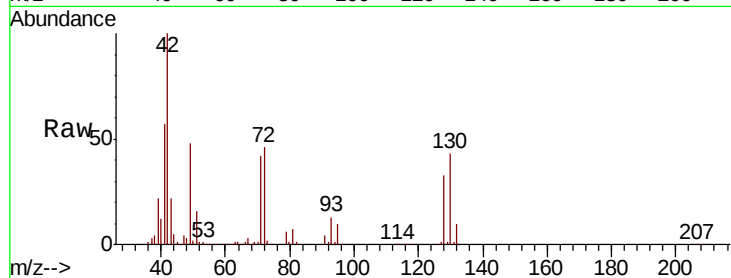
Tot Ion: 42 Resp: 717205

Ion Ratio Lower Upper

42 100

72 44.8 34.7 52.1

71 42.4 32.3 48.5



#30

Chloroform

Concen: 49.376 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053041.D

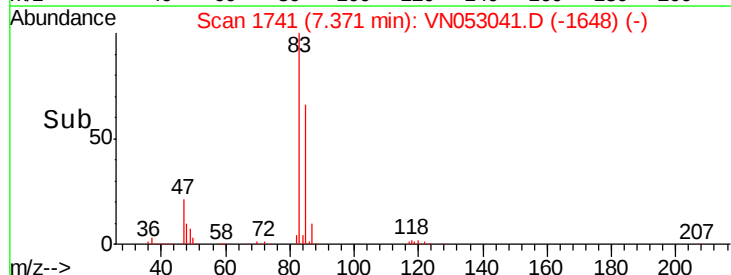
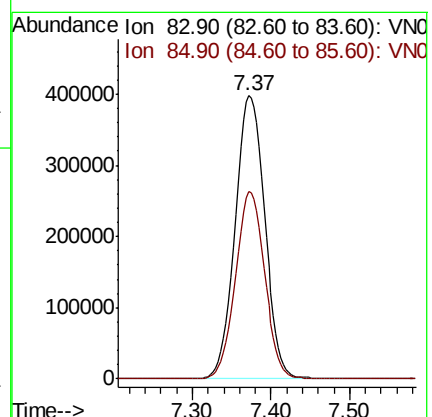
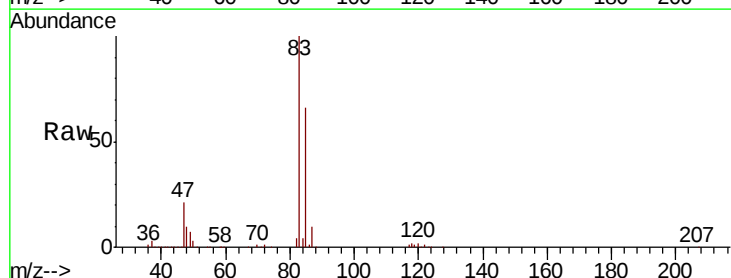
Acq: 20 Dec 2018 5:30

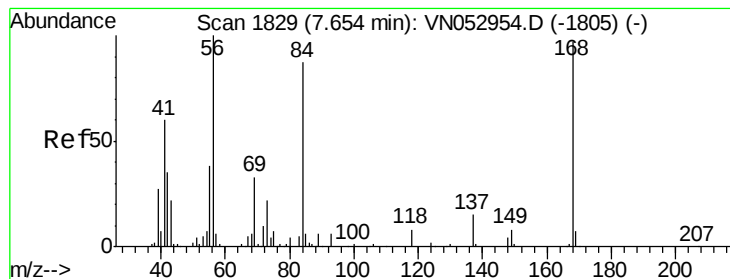
Tgt Ion: 83 Resp: 1047545

Ion Ratio Lower Upper

83 100

85 66.0 52.1 78.1





#31

Cyclohexane

Concen: 48.210 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :
MSVOA_N
ClientSampled :

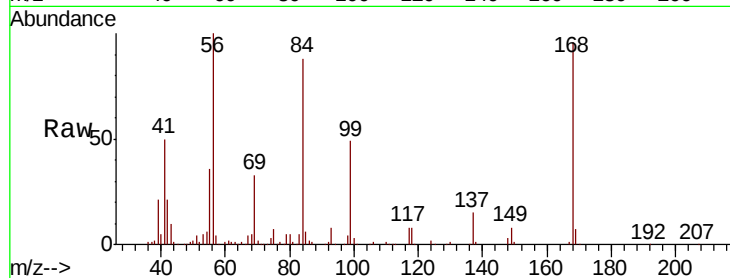
Tot Ion: 56 Resp: 977267

Ion Ratio Lower Upper

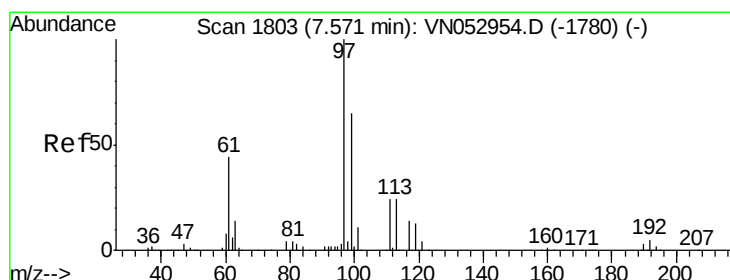
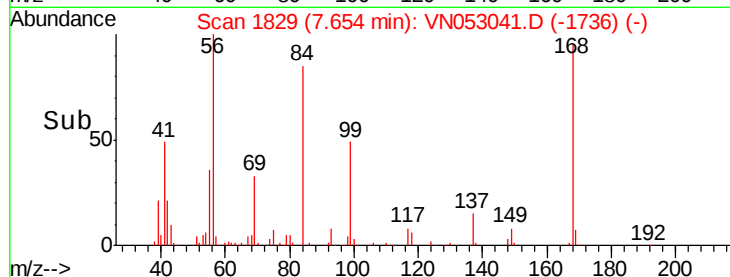
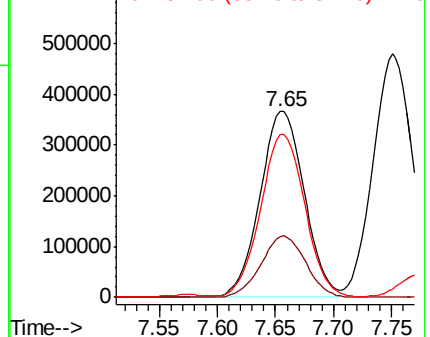
56 100

69 32.6 26.6 39.8

84 86.2 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.481 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

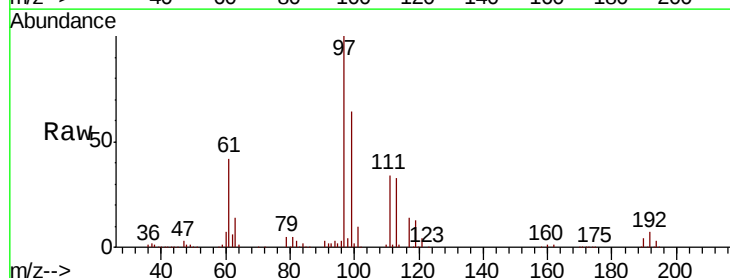
Tgt Ion: 97 Resp: 876200

Ion Ratio Lower Upper

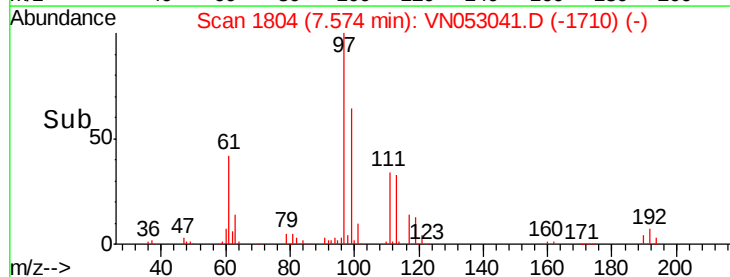
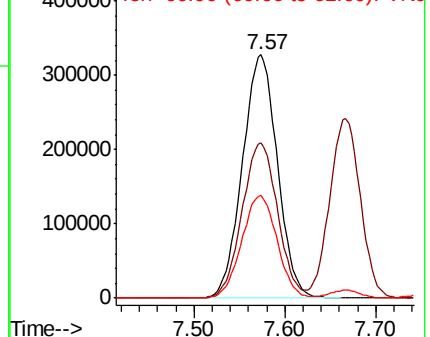
97 100

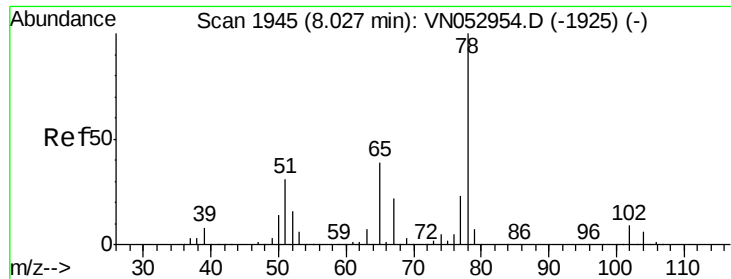
99 64.6 51.1 76.7

61 42.5 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

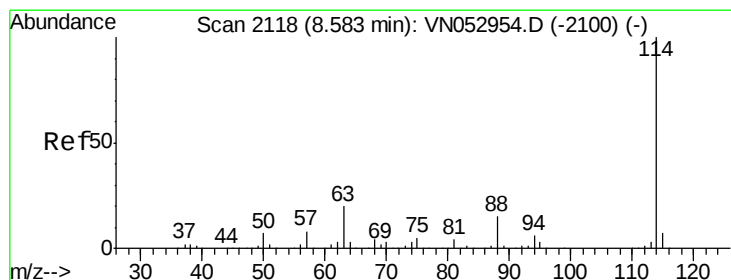
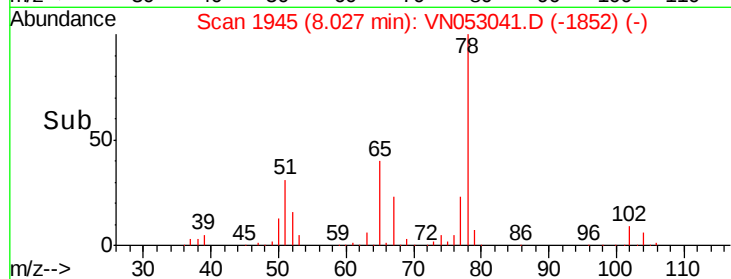
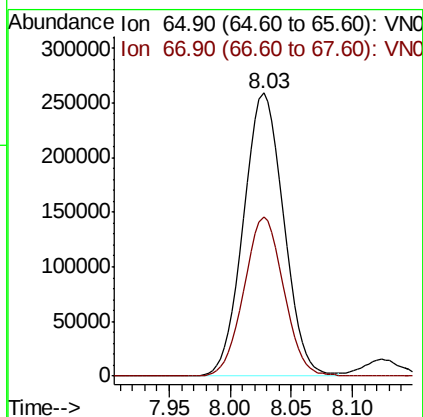
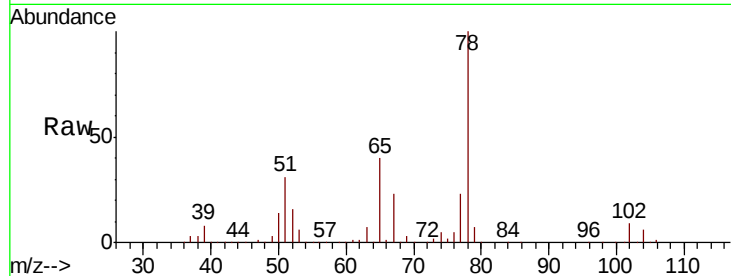




#33
 1,2-Dichloroethane-d4
 Concen: 48.481 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

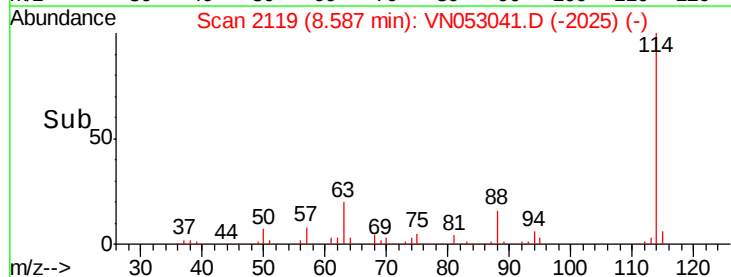
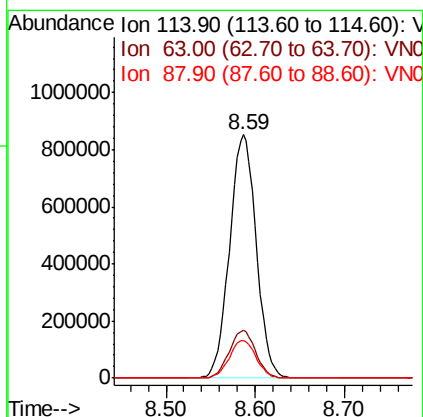
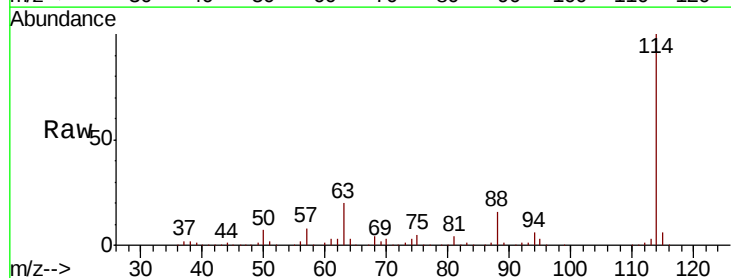
Instrument :
 MSVOA_N
 ClientSampleId :

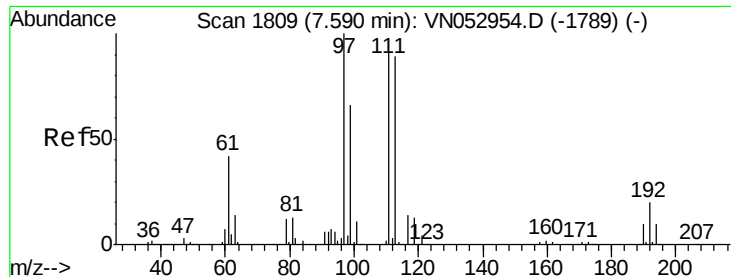
Tot Ion: 65 Resp: 591884
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

Tgt Ion: 114 Resp: 1763474
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.7 0.0 31.0

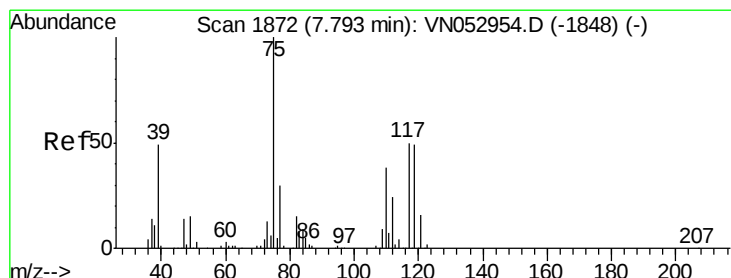
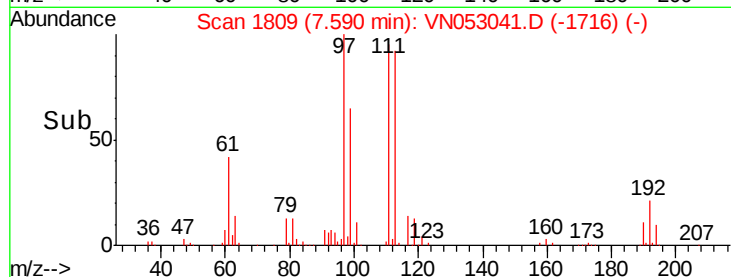
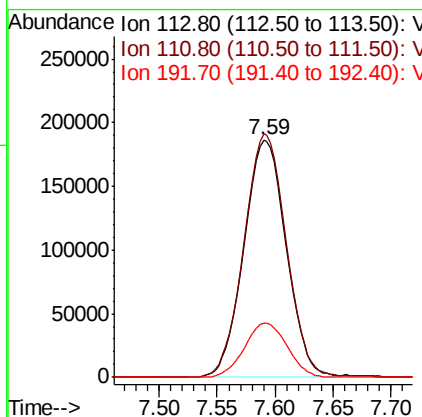
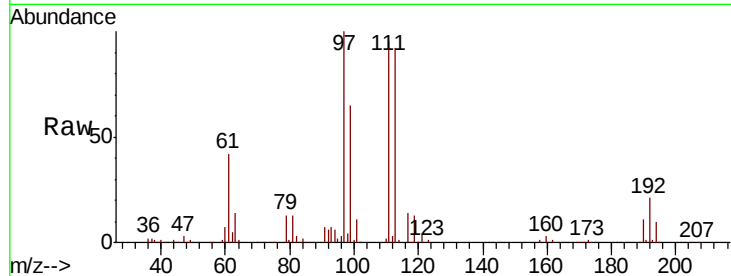




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

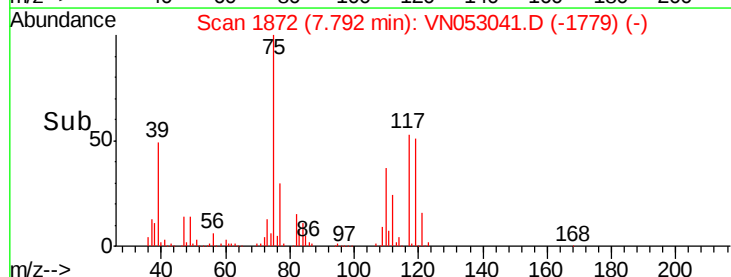
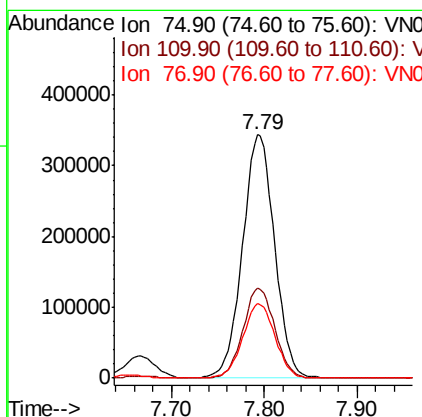
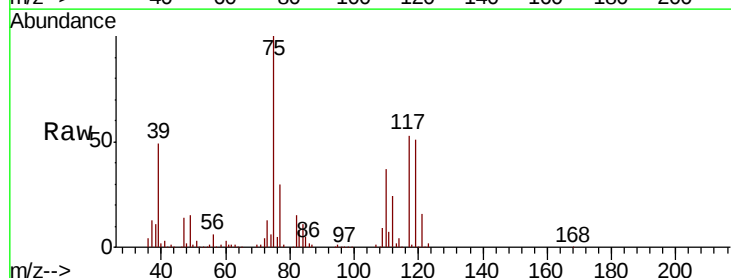
Instrument :
 MSVOA_N
 ClientSampleId :

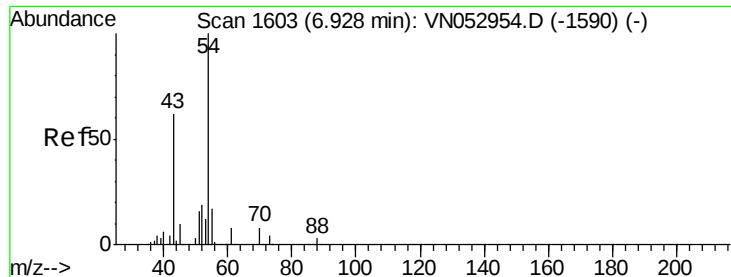
Tot Ion:113 Resp: 472800
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.0 124.4
 192 23.2 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 48.523 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

Tgt Ion: 75 Resp: 821308
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.2 54.6
 77 30.9 24.9 37.3

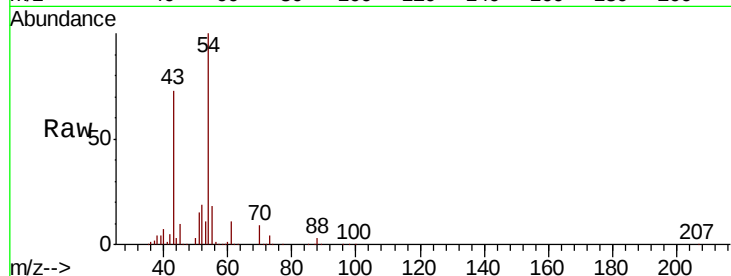




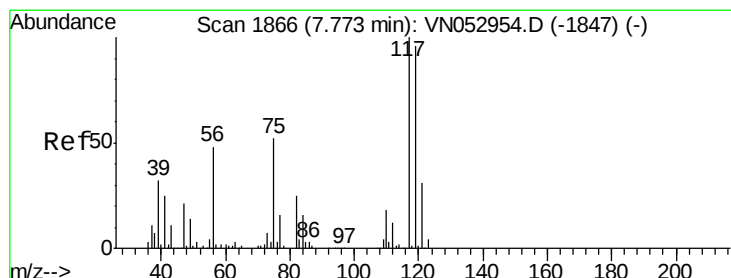
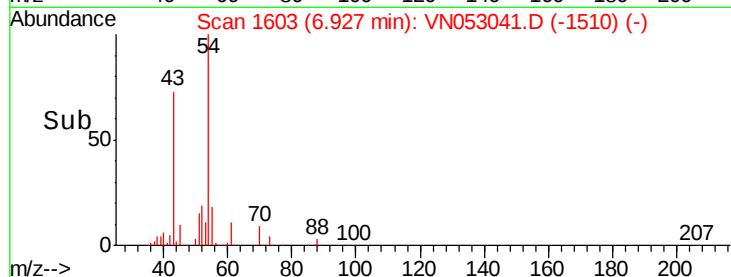
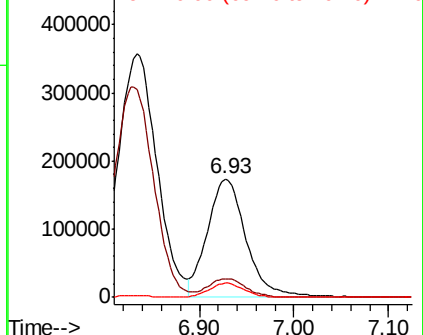
#37
Ethyl Acetate
Concen: 51.456 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 486207
Ion Ratio Lower Upper
43 100
61 15.4 11.8 17.6
70 11.1 8.4 12.6

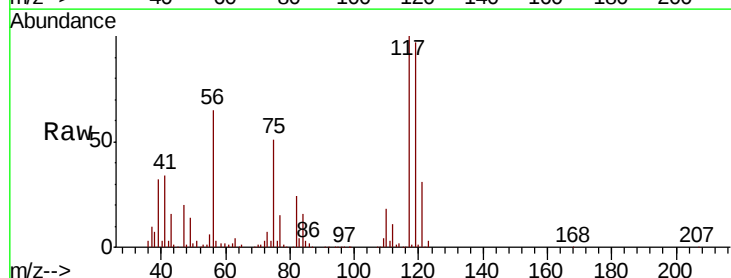


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

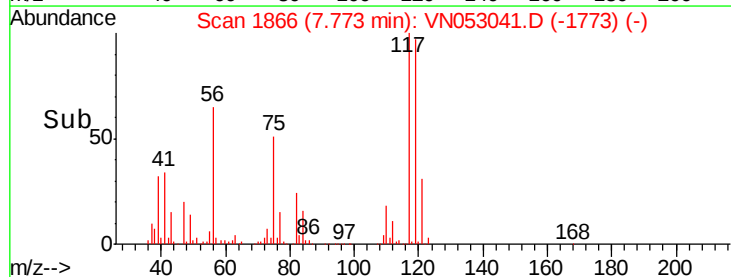
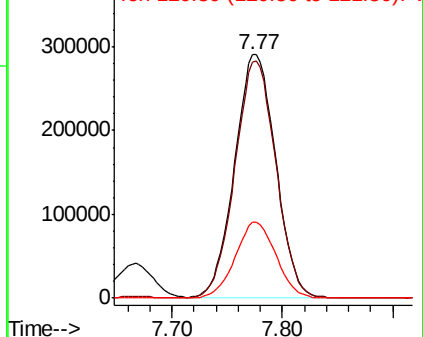


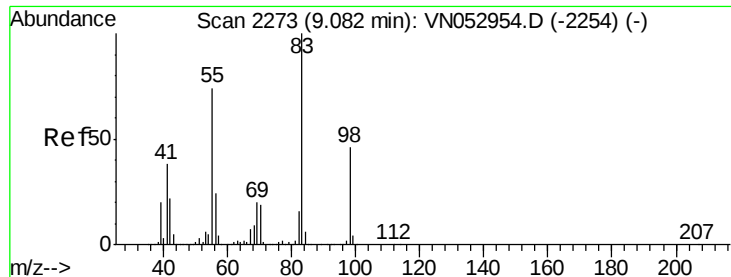
#38
Carbon Tetrachloride
Concen: 48.125 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Tgt Ion: 117 Resp: 746637
Ion Ratio Lower Upper
117 100
119 96.8 77.1 115.7
121 31.1 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

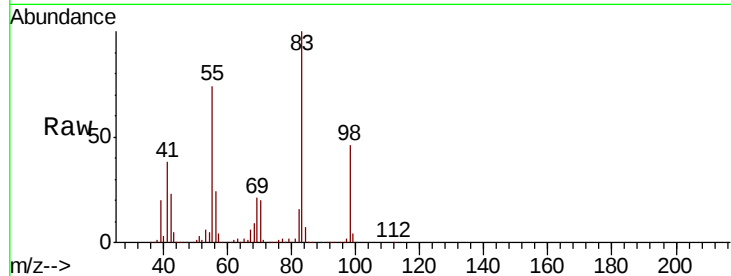




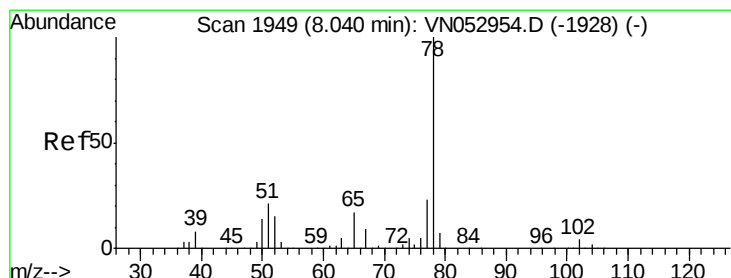
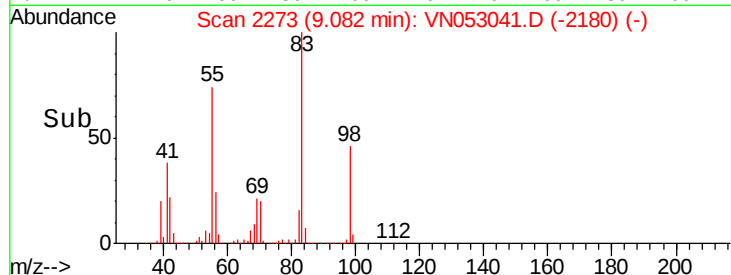
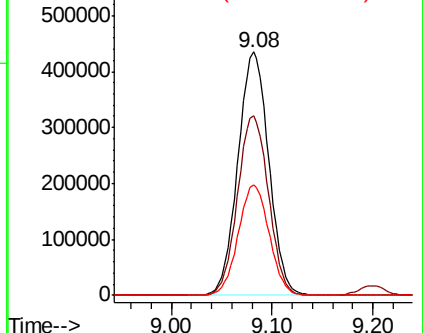
#39
Methvlcvclohexane
Concen: 44.842 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 922041
Ion Ratio Lower Upper
83 100
55 73.9 61.3 91.9
98 45.5 37.0 55.4

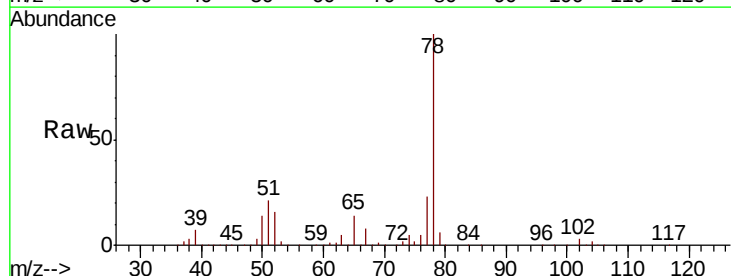


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

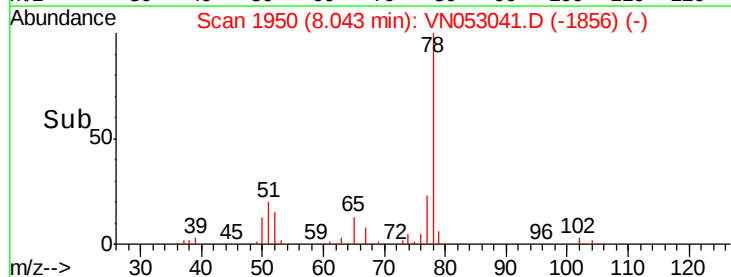
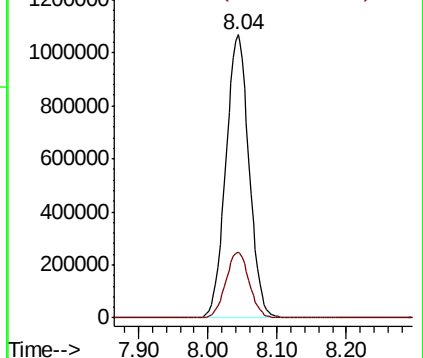


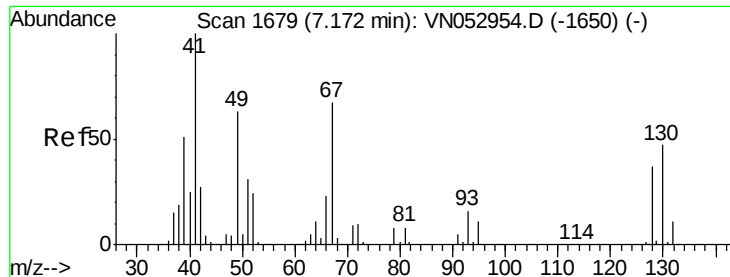
#40
Benzene
Concen: 49.604 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Tgt Ion: 78 Resp: 2497395
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

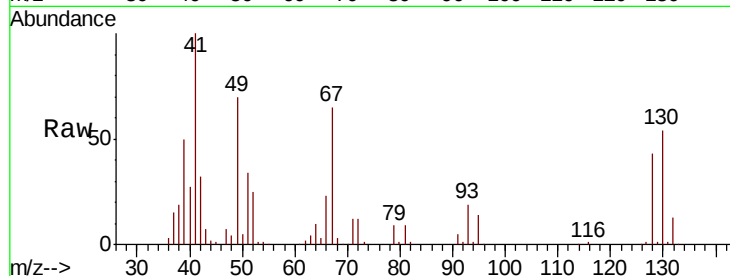




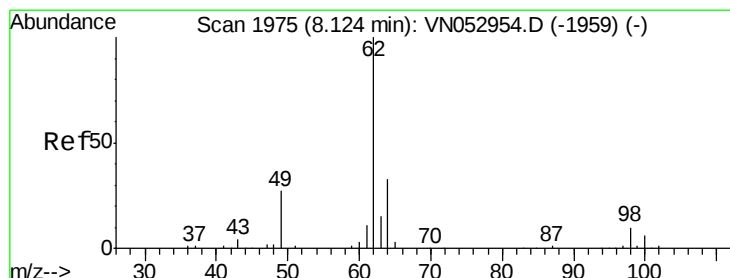
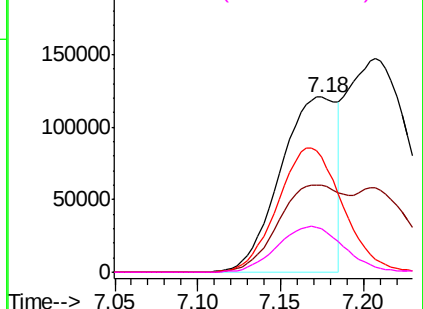
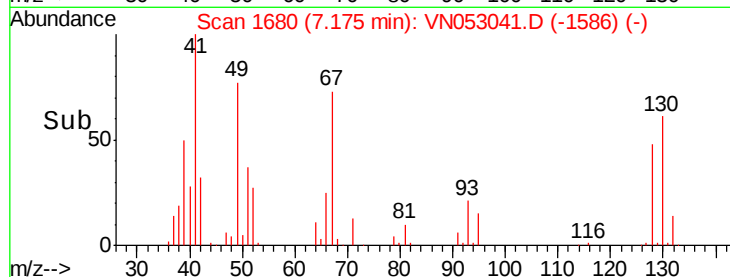
#41
Methacrylonitrile
Concen: 52.628 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 287326
Ion Ratio Lower Upper
41 100
39 57.6 48.0 72.0
67 81.6 70.3 105.5
52 30.6 26.9 40.3

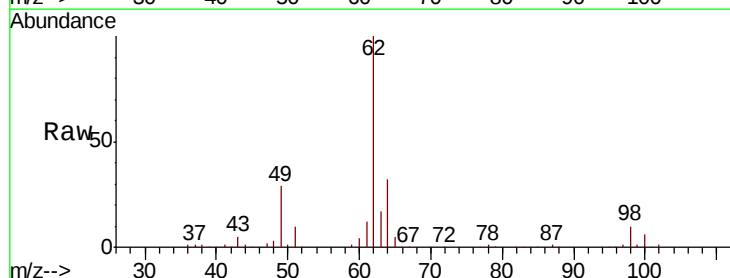


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

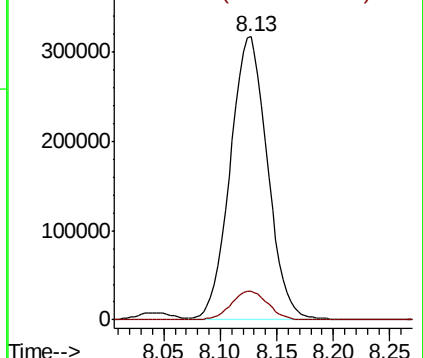
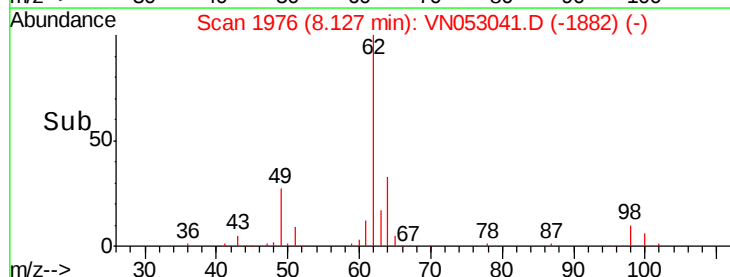


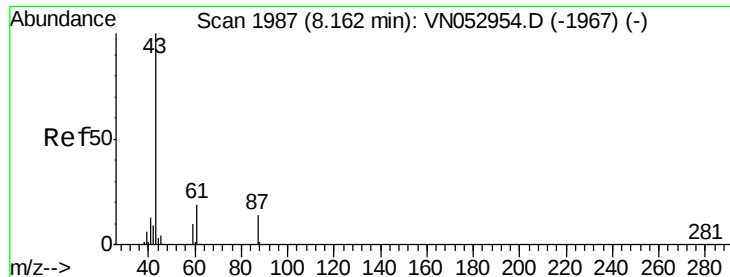
#42
1,2-Dichloroethane
Concen: 48.631 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Tgt Ion: 62 Resp: 723309
Ion Ratio Lower Upper
62 100
98 10.3 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 50.399 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

ClientSampled :

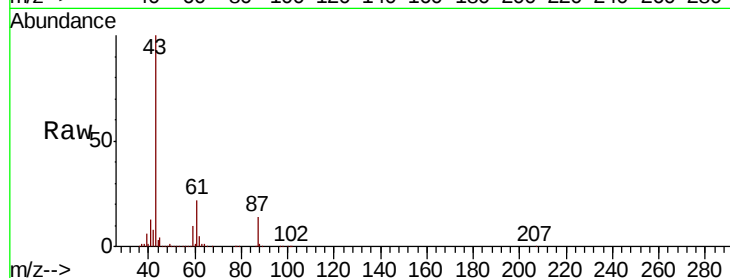
Tot Ion: 43 Resp: 921420

Ion Ratio Lower Upper

43 100

61 29.9 22.9 34.3

87 13.8 10.6 15.8

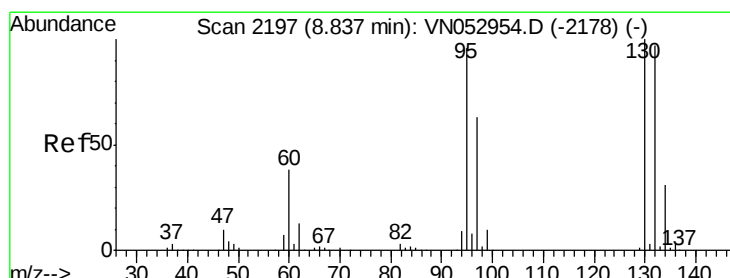
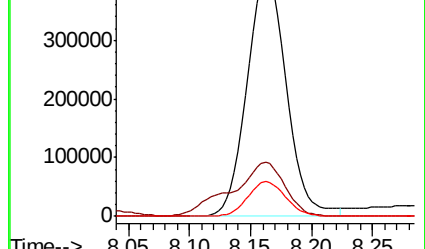
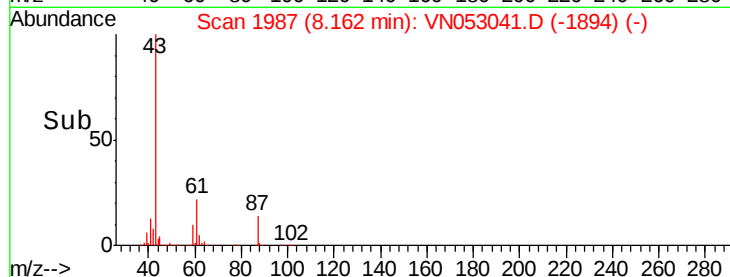


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 47.803 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053041.D

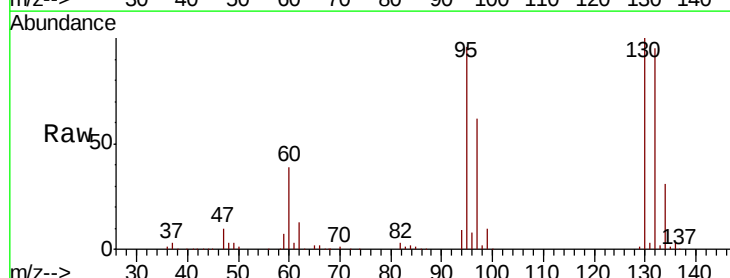
Acq: 20 Dec 2018 5:30

Tgt Ion:130 Resp: 696126

Ion Ratio Lower Upper

130 100

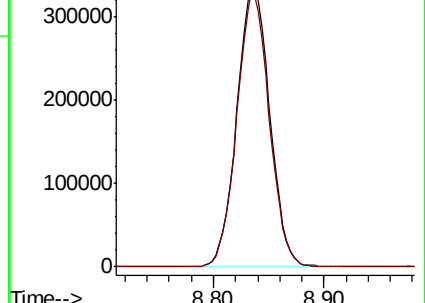
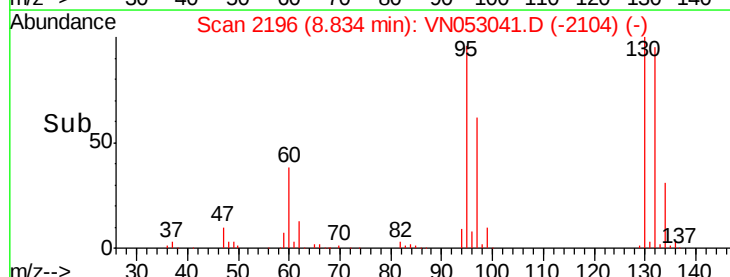
95 96.1 0.0 197.8

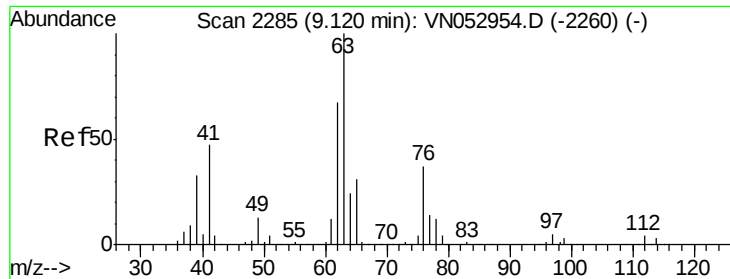


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->

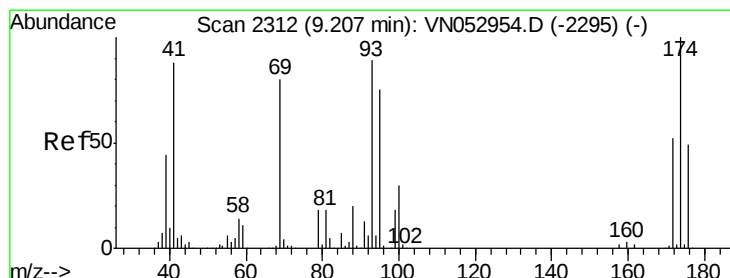
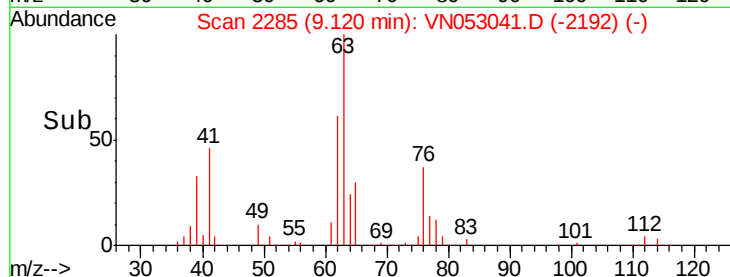
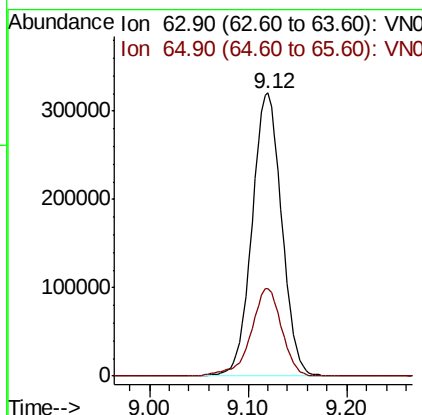
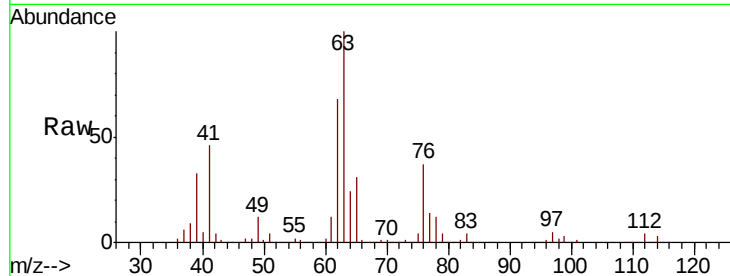




#45
 1,2-Dichloropropane
 Concen: 50.534 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

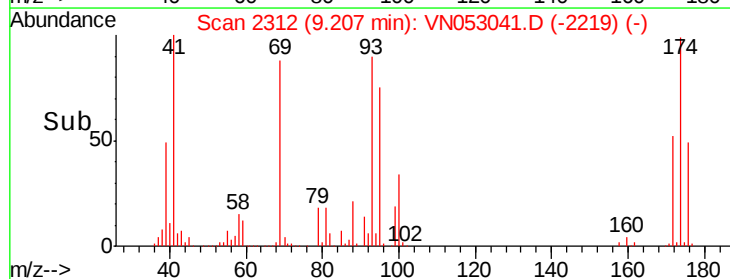
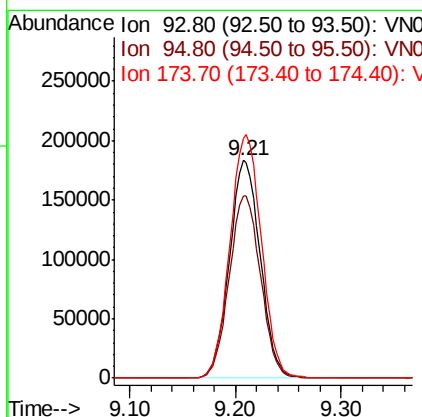
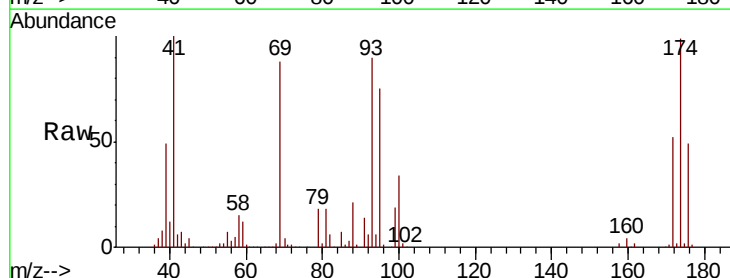
Instrument :
 MSVOA_N
 ClientSampleId :

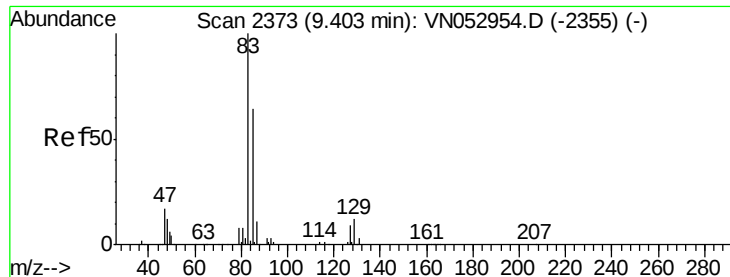
Tot Ion: 63 Resp: 662695
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 37.0



#46
 Dibromomethane
 Concen: 48.667 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

Tgt Ion: 93 Resp: 371791
 Ion Ratio Lower Upper
 93 100
 95 85.0 67.8 101.6
 174 114.1 89.0 133.4





#47

Bromodichloromethane

Concen: 48.731 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

ClientSampled :

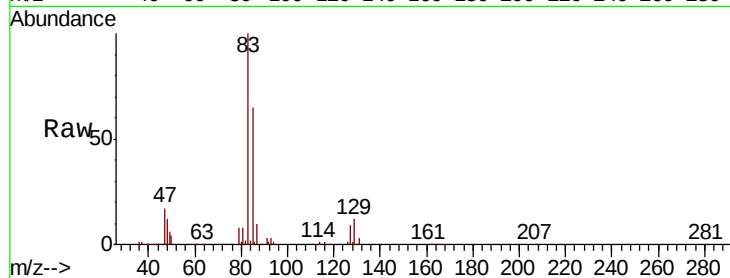
Tot Ion: 83 Resp: 791340

Ion Ratio Lower Upper

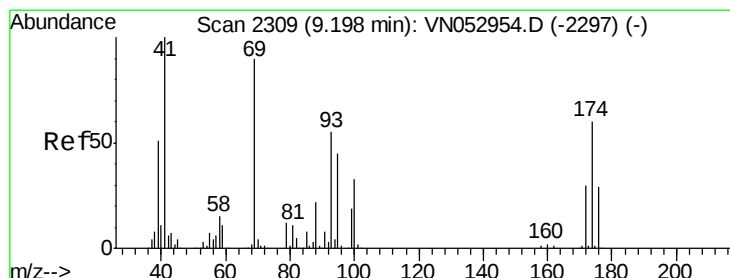
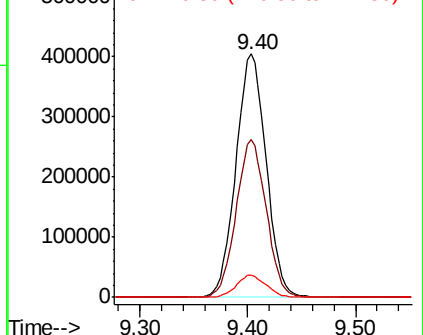
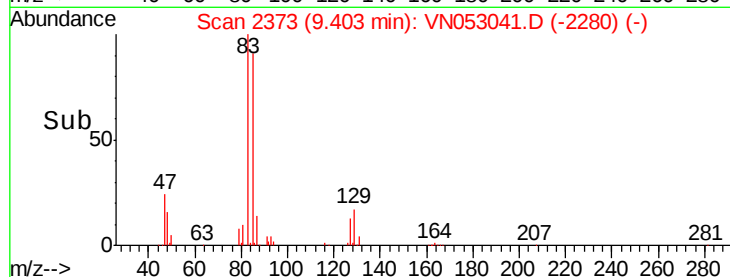
83 100

85 64.8 51.6 77.4

127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053041.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.325 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

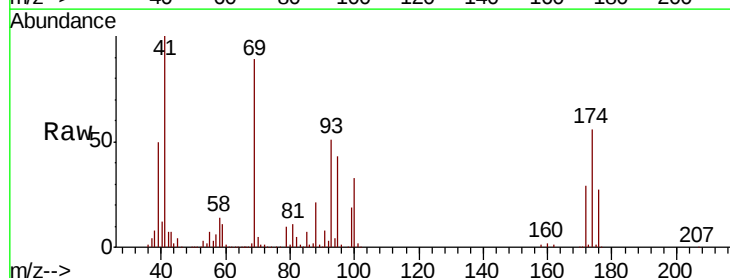
Tgt Ion: 41 Resp: 461437

Ion Ratio Lower Upper

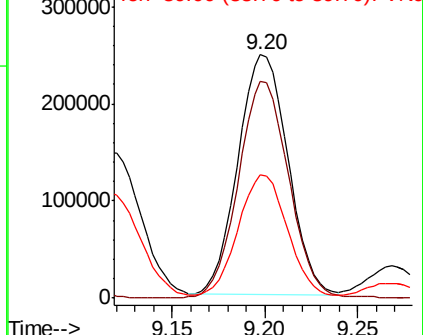
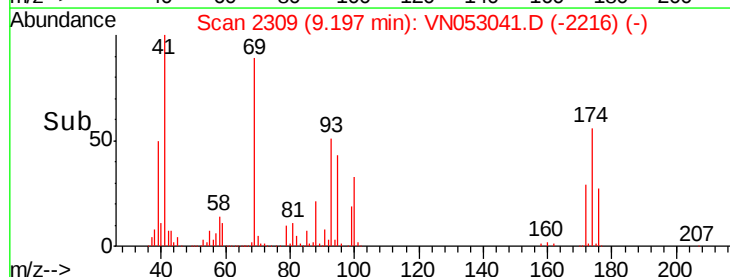
41 100

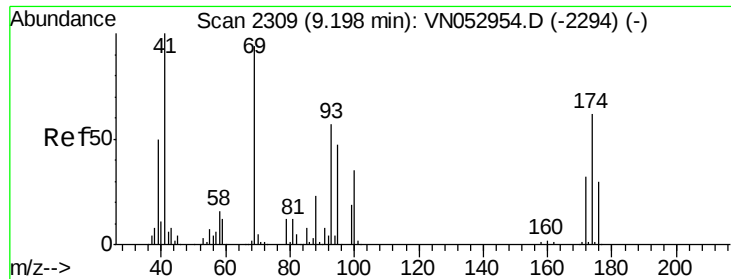
69 91.8 72.2 108.2

39 51.5 41.9 62.9



Abundance Ion 41.00 (40.70 to 41.70): VN053041.D (-2216) (-)

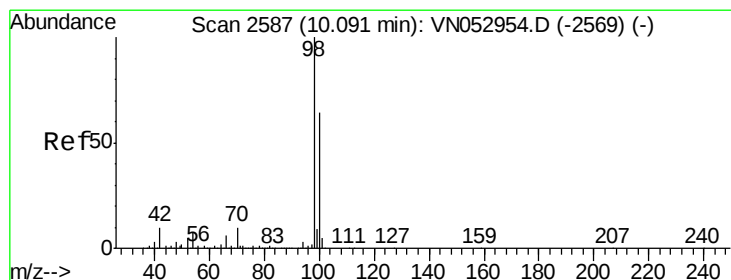
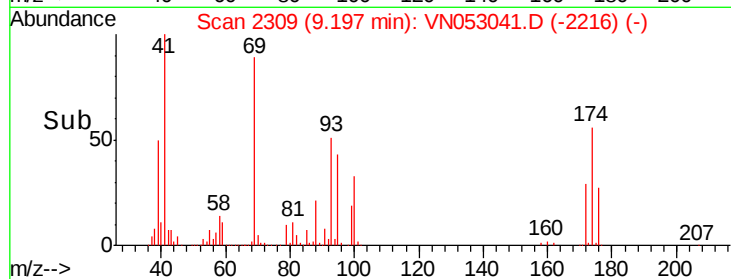
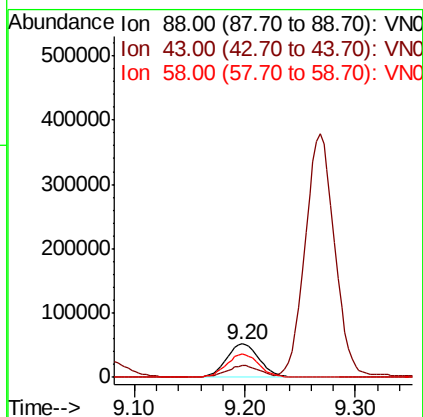
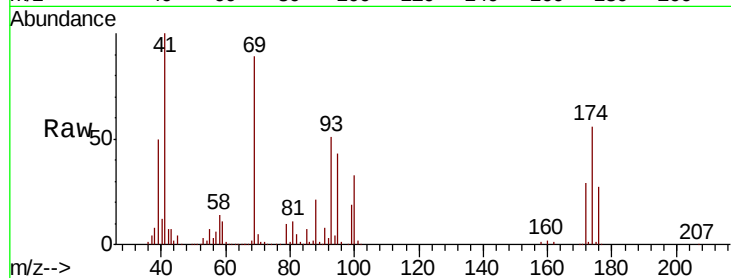




#49
 1,4-Dioxane
 Concen: 926.566 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

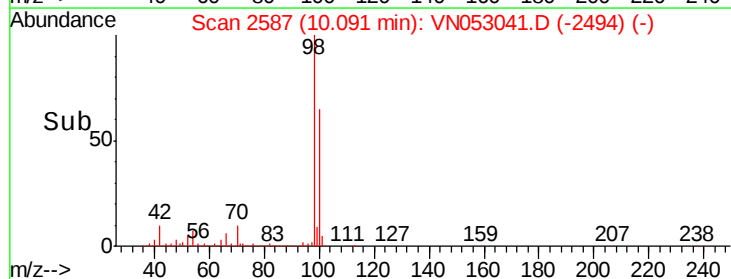
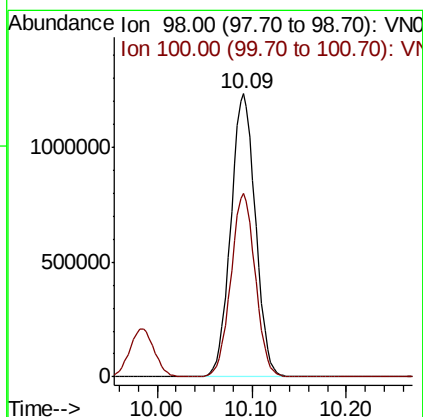
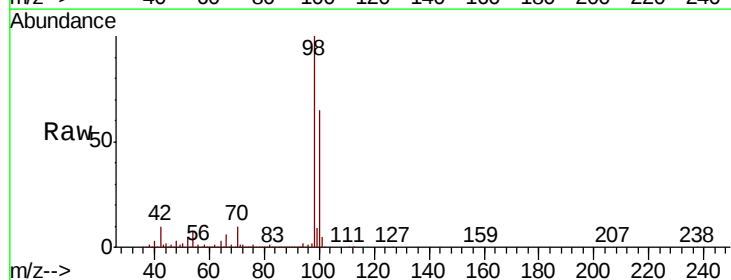
Instrument :
 MSVOA_N
 ClientSampleId :

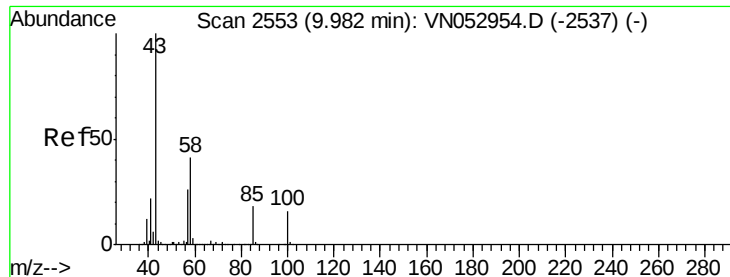
Tot Ion: 88 Resp: 107468
 Ion Ratio Lower Upper
 88 100
 43 31.9 26.6 40.0
 58 69.3 58.4 87.6



#50
 Toluene-d8
 Concen: 926.566 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

Tgt Ion: 98 Resp: 2224466
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.6 77.4

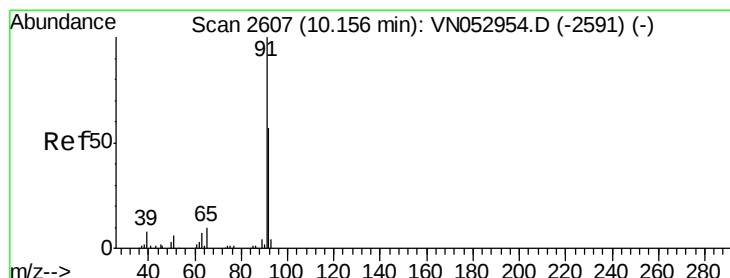
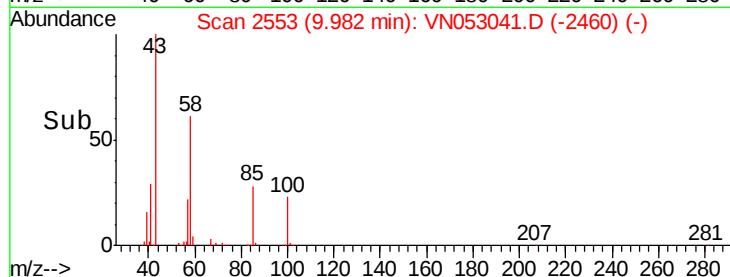
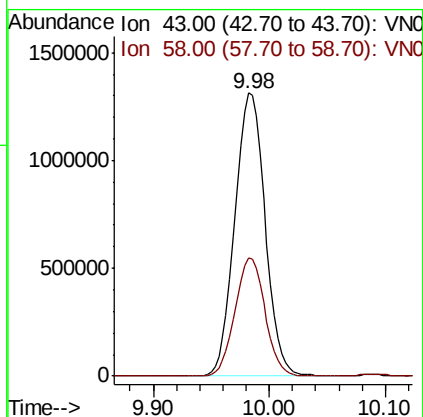
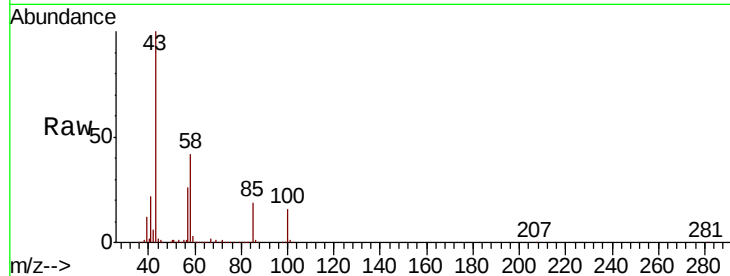




#51
4-Methyl-2-Pentanone
Concen: 259.630 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

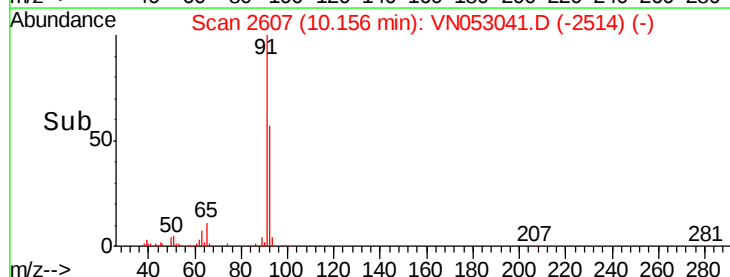
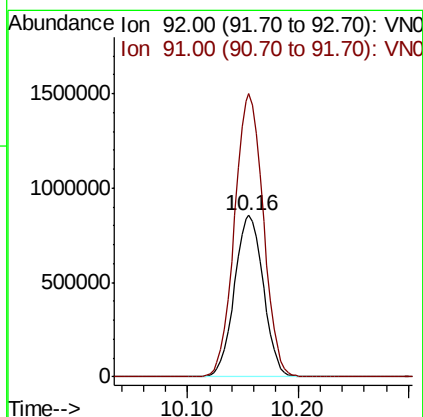
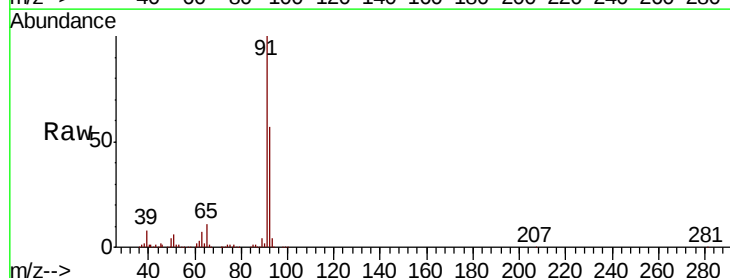
Instrument :
MSVOA_N
ClientSampled :

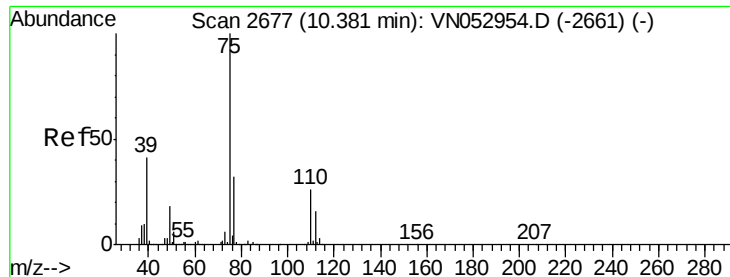
Tot Ion: 43 Resp: 2375794
Ion Ratio Lower Upper
43 100
58 41.4 32.2 48.4



#52
Toluene
Concen: 49.658 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Tgt Ion: 92 Resp: 1549645
Ion Ratio Lower Upper
92 100
91 174.6 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 47.044 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

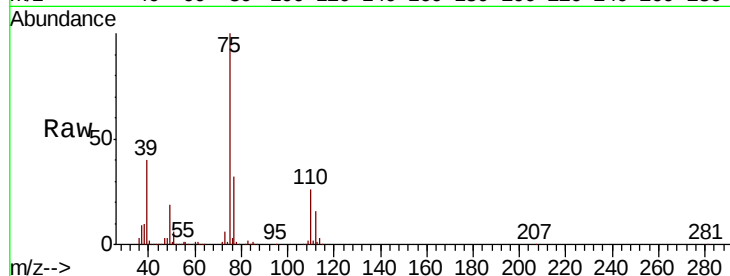
ClientSampleId :

Tot Ion: 75 Resp: 803313

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

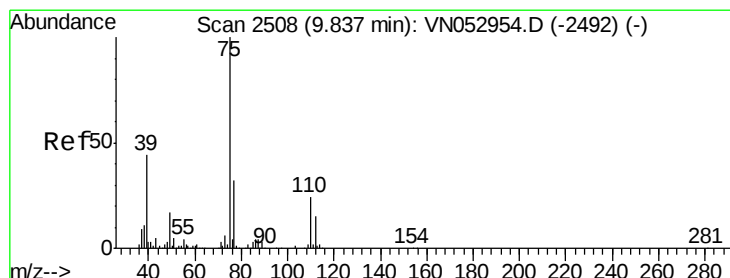
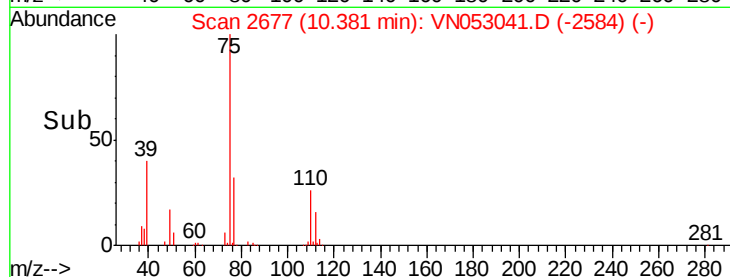
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.781 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

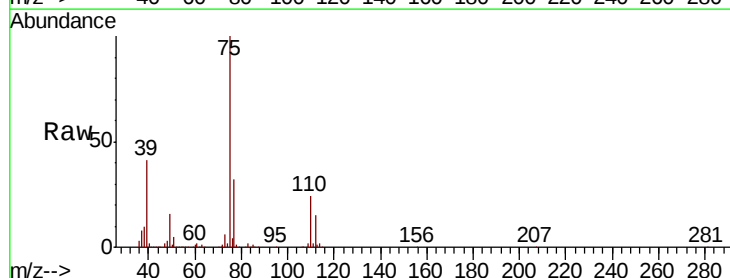
Tgt Ion: 75 Resp: 936517

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

39 41.0 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

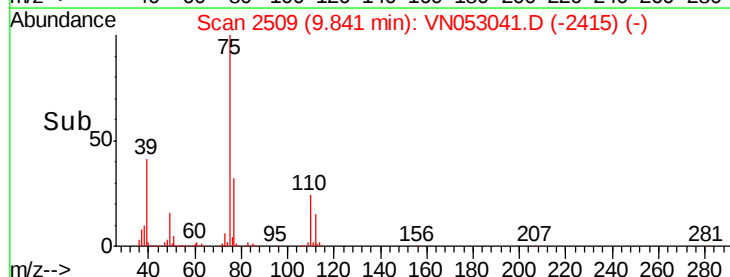
600000

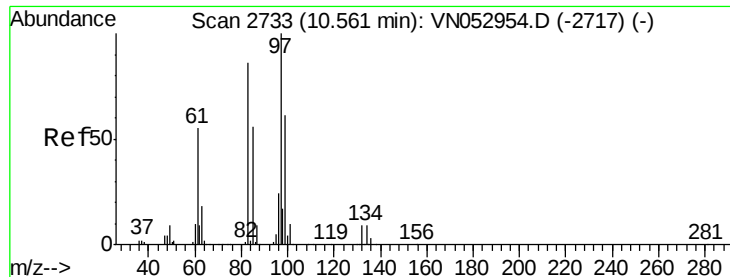
400000

200000

0

Time-->

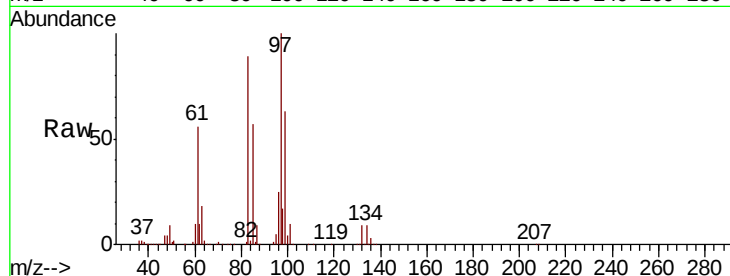




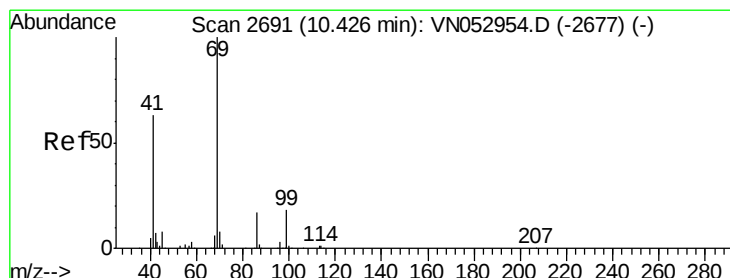
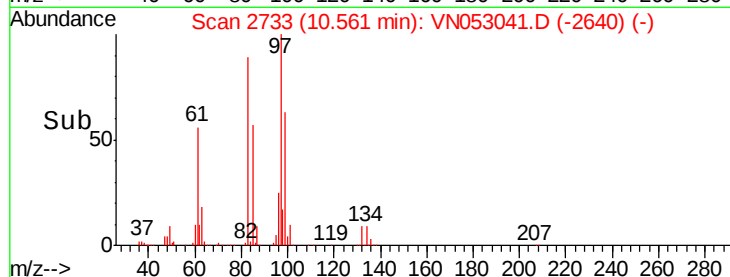
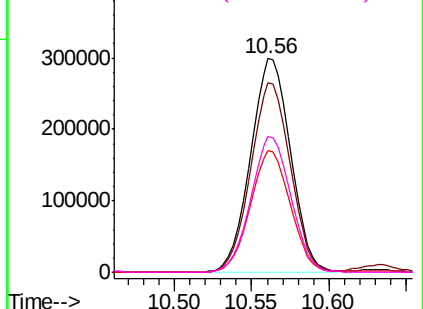
#55
 1,1,2-Trichloroethane
 Concen: 49.559 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	539547
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.9	106.3
85	56.8	45.4	68.2
99	63.4	50.4	75.6

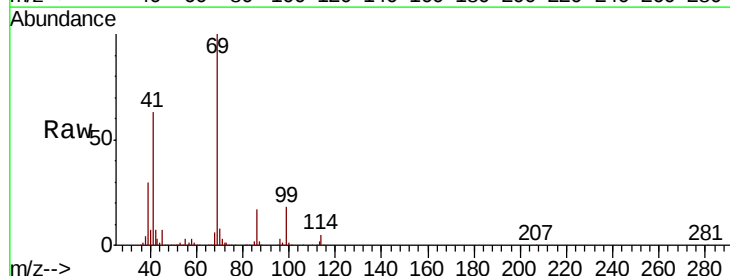


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

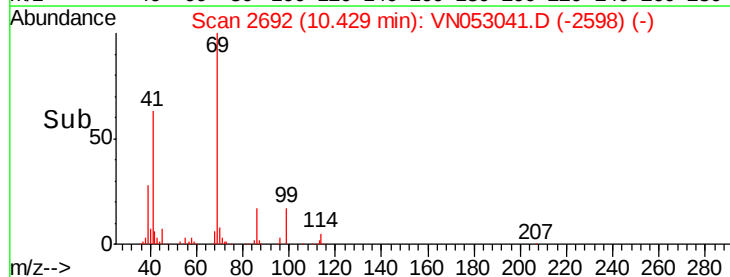
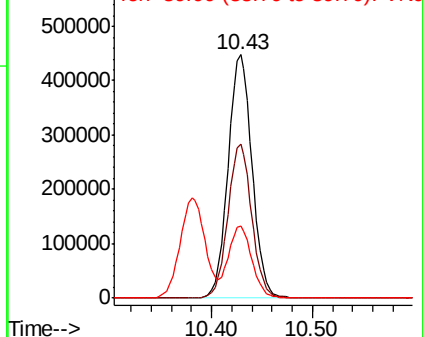


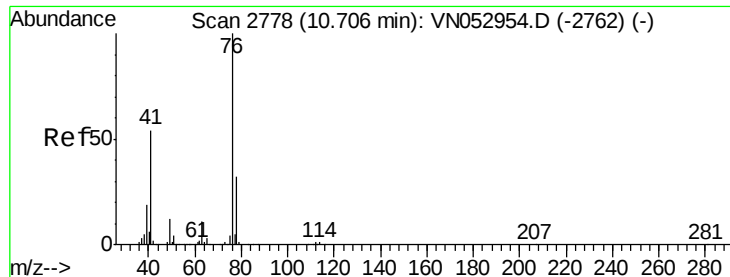
#56
 Ethyl methacrylate
 Concen: 51.652 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

Tgt Ion:	69	Resp:	744299
Ion	Ratio	Lower	Upper
69	100		
41	62.0	51.7	77.5
39	29.0	24.6	37.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 50.091 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

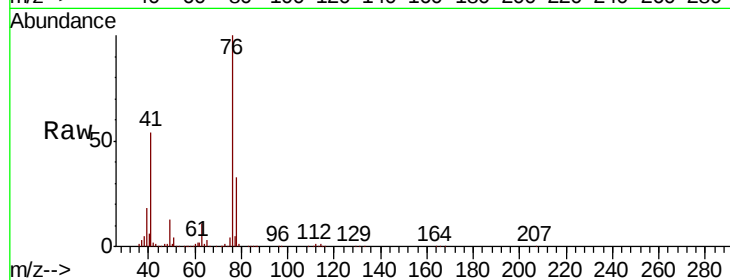
ClientSampleId :

Tot Ion: 76 Resp: 935155

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-2762) (-)

10.71

500000

400000

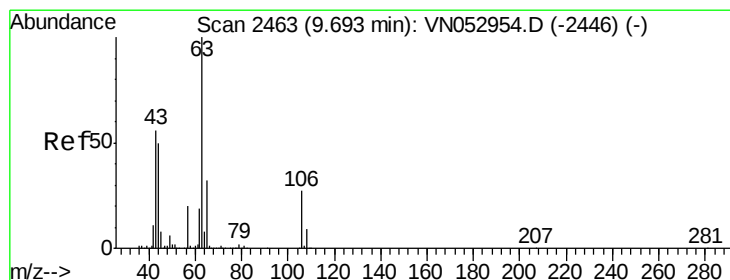
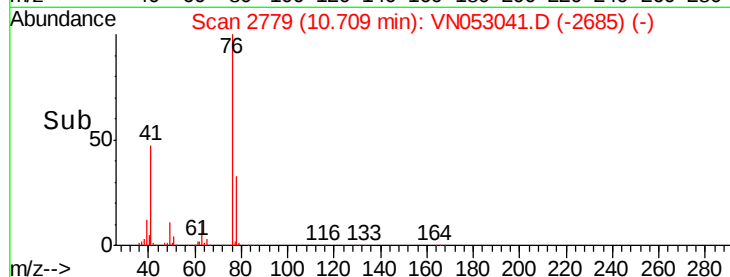
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 255.295 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053041.D

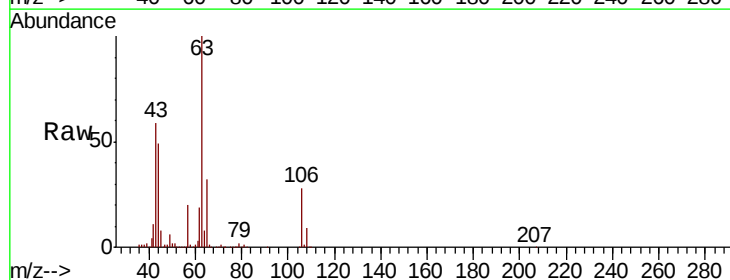
Acq: 20 Dec 2018 5:30

Tgt Ion: 63 Resp: 2019636

Ion Ratio Lower Upper

63 100

106 27.5 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-2446) (-)

Ion 105.90 (105.60 to 106.60): VN052954.D (-2446) (-)

9.70

1200000

1000000

800000

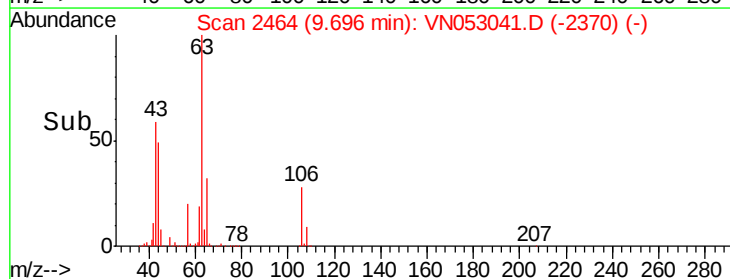
600000

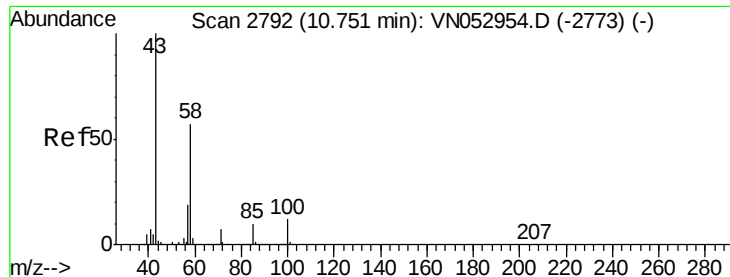
400000

200000

0

Time-->

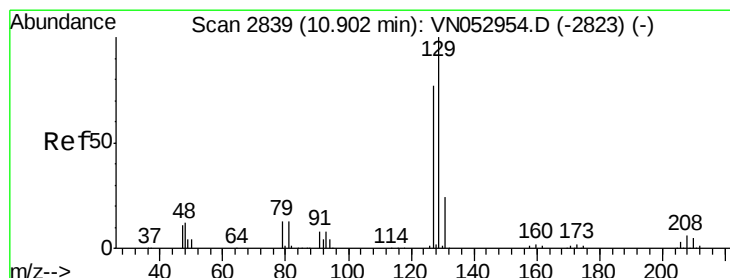
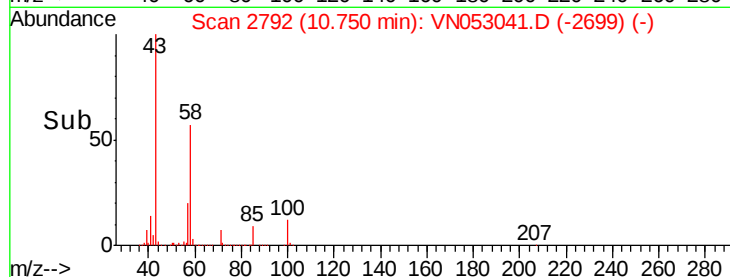
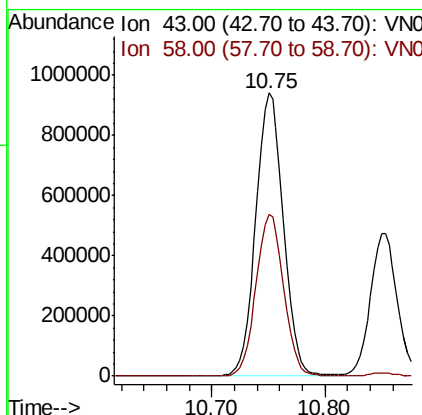
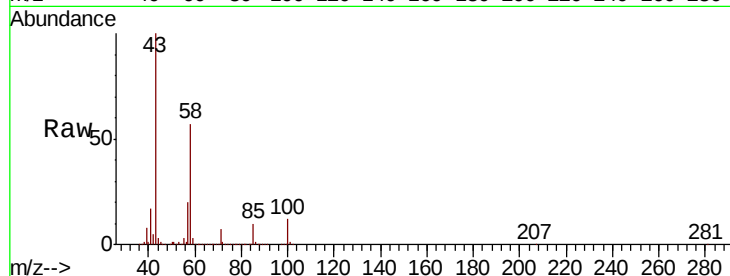




#59
2-Hexanone
Concen: 257.382 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

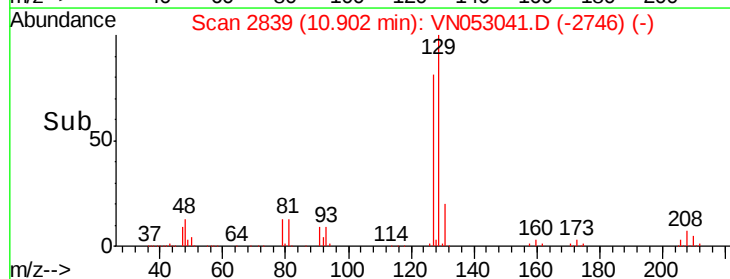
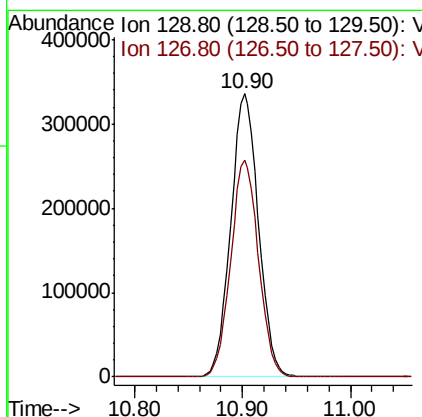
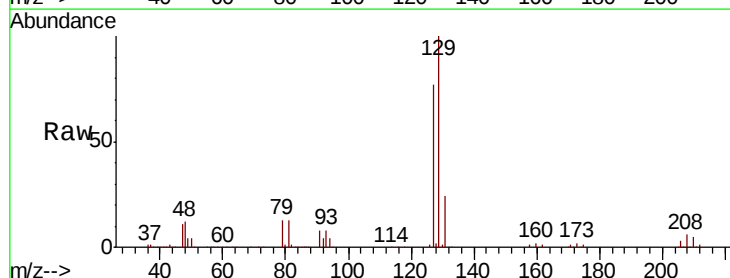
Instrument :
MSVOA_N
ClientSampled :

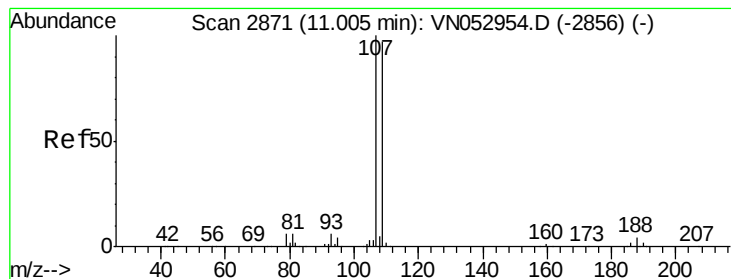
Tot Ion: 43 Resp: 1593501
Ion Ratio Lower Upper
43 100
58 57.5 28.1 84.3



#60
Dibromochloromethane
Concen: 48.194 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Tgt Ion: 129 Resp: 600589
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.567 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

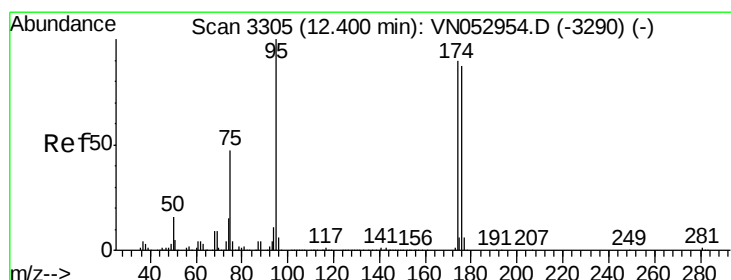
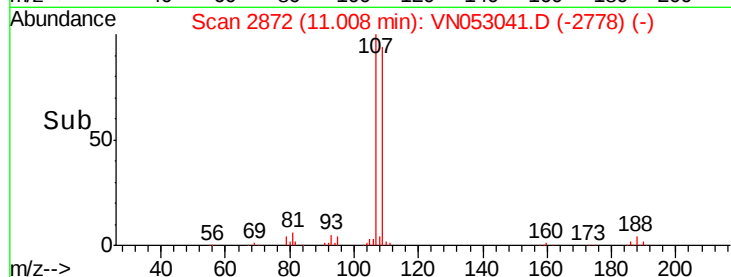
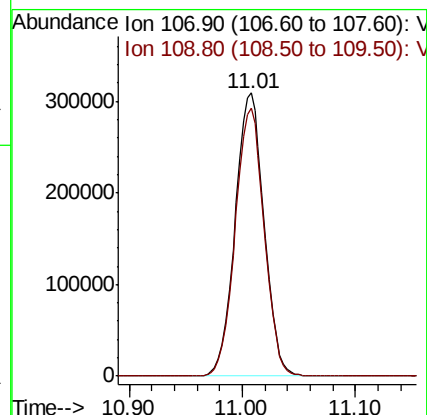
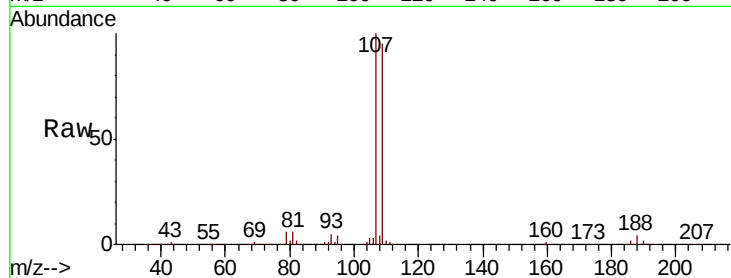
ClientSampleId :

Tot Ion: 107 Resp: 548053

Ion Ratio Lower Upper

107 100

109 95.0 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 49.567 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

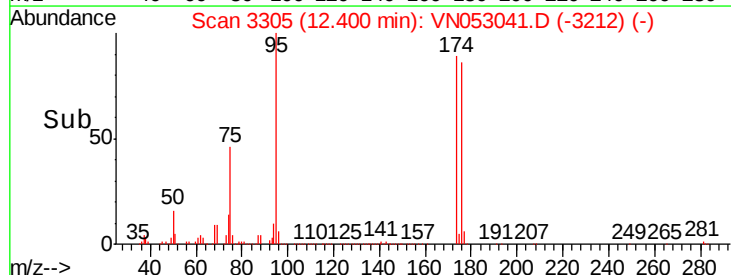
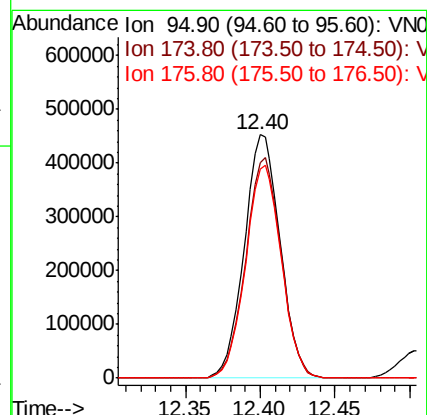
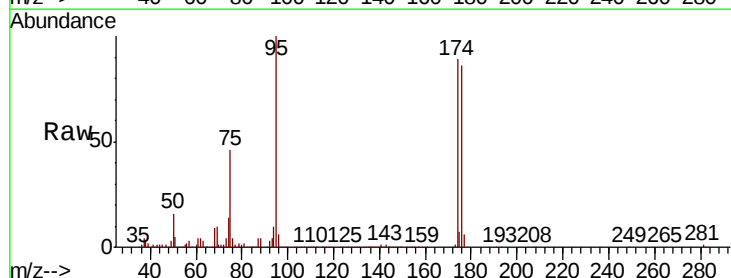
Tgt Ion: 95 Resp: 752670

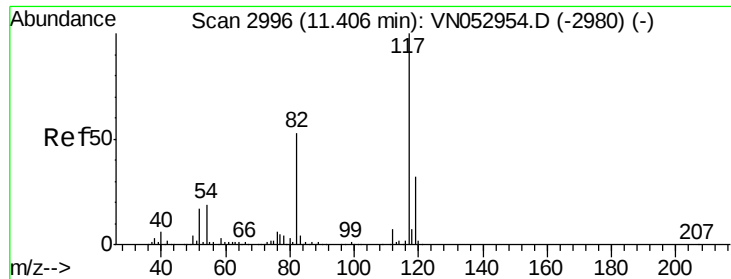
Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.8

176 87.3 0.0 173.8

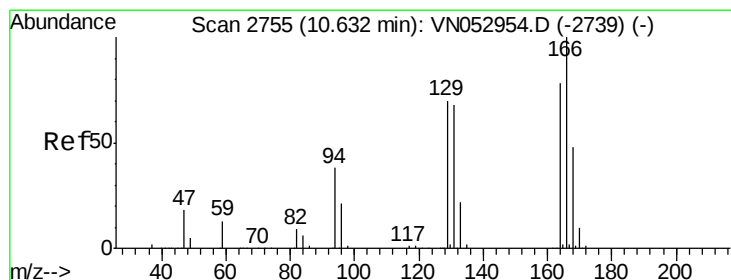
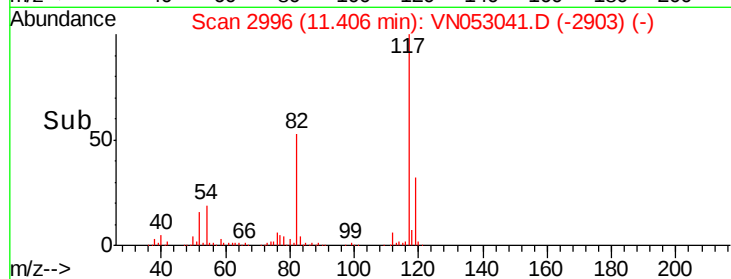
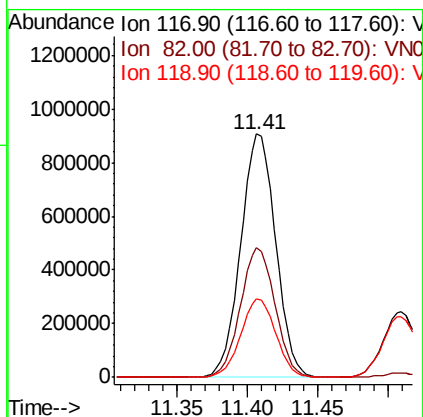
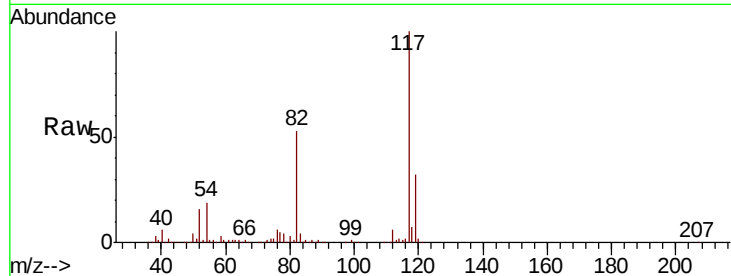




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

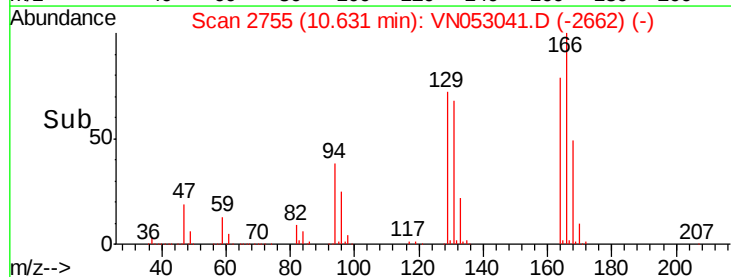
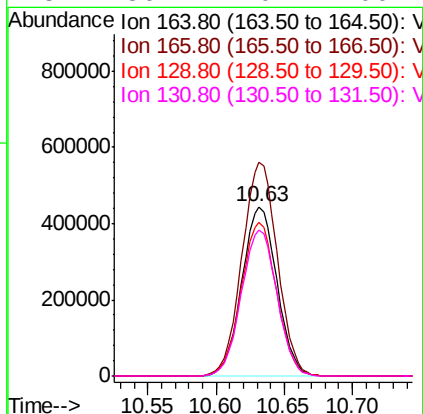
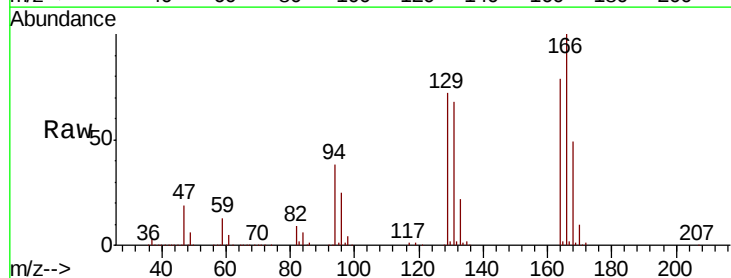
Instrument :
MSVOA_N
ClientSampled :

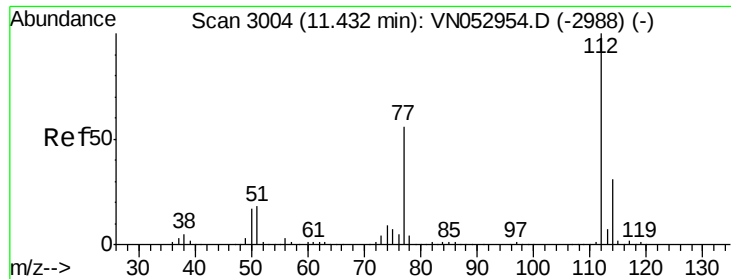
Tot Ion:117 Resp: 1579539
Ion Ratio Lower Upper
117 100
82 53.1 42.8 64.2
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 46.416 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Tgt Ion:164 Resp: 794177
Ion Ratio Lower Upper
164 100
166 126.0 102.9 154.3
129 90.9 73.7 110.5
131 86.2 70.7 106.1

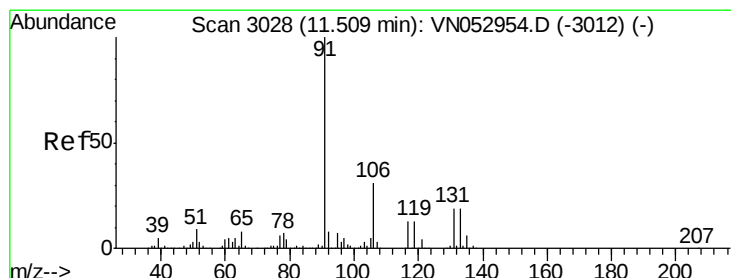
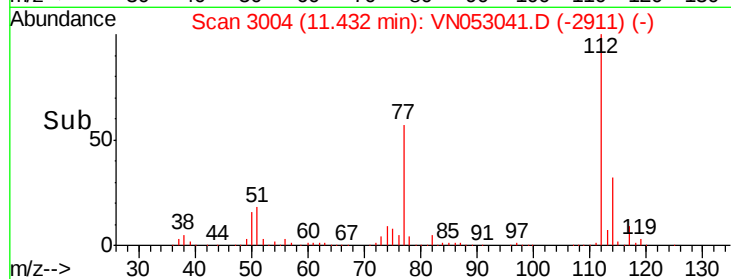
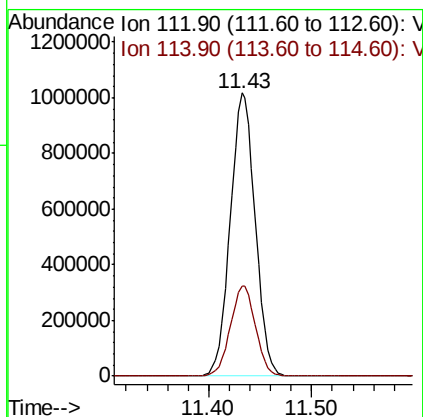
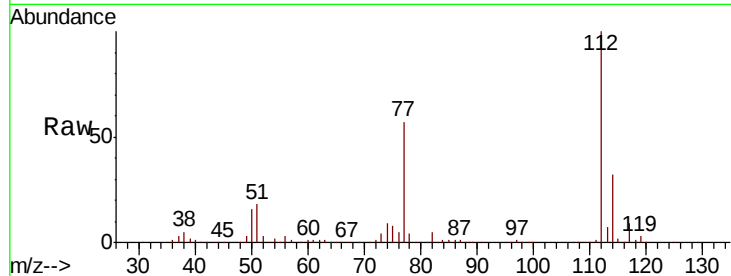




#65
Chlorobenzene
Concen: 48.991 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

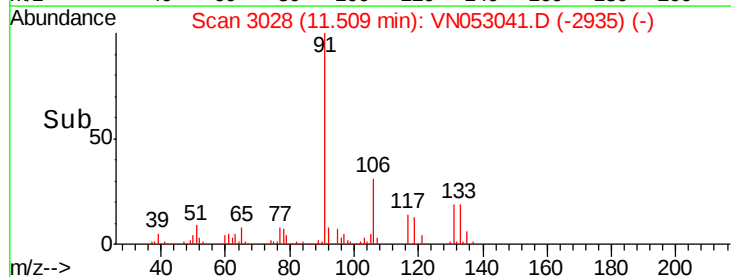
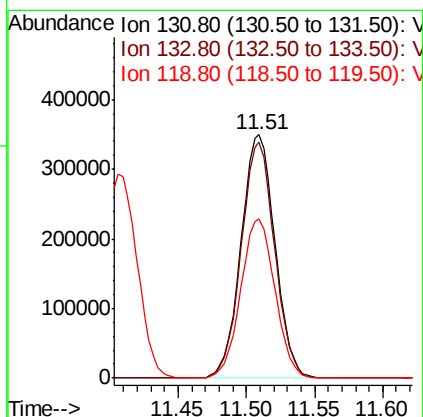
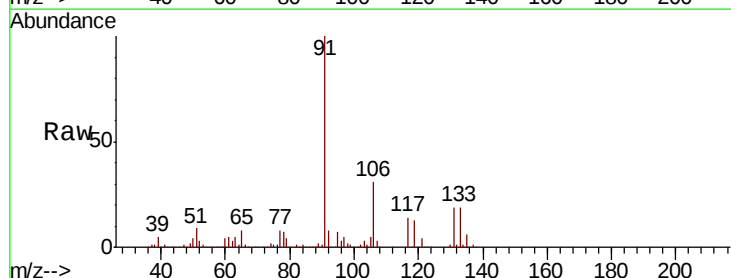
Instrument :
MSVOA_N
ClientSampled :

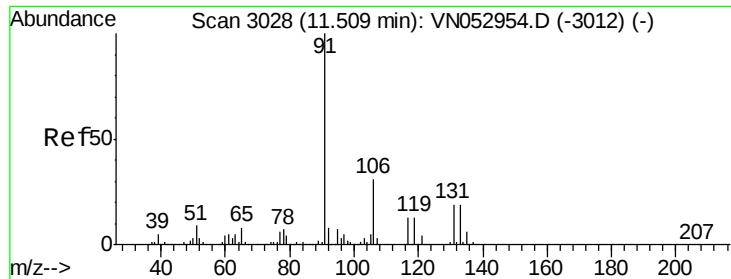
Tot Ion:112 Resp: 1715353
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.498 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Tgt Ion:131 Resp: 602687
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.9
119 66.0 33.3 99.8





#67

Ethyl Benzene

Concen: 49.071 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

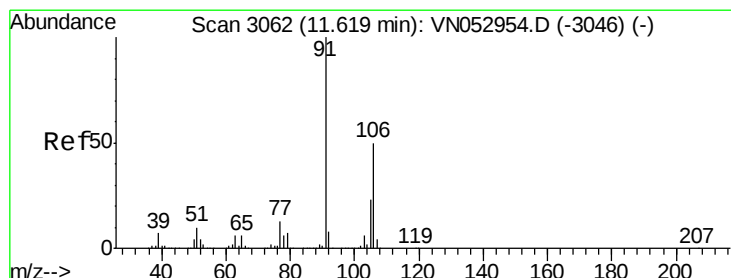
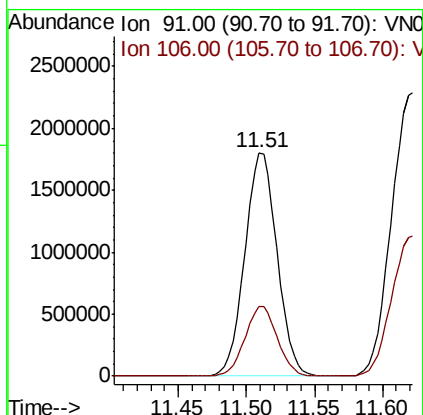
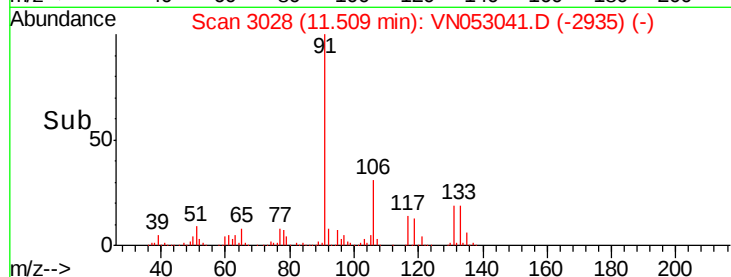
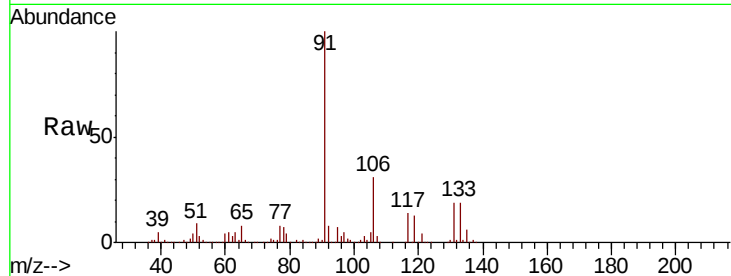
ClientSampled :

Tot Ion: 91 Resp: 2954772

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3



#68

m/p-Xylenes

Concen: 96.629 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053041.D

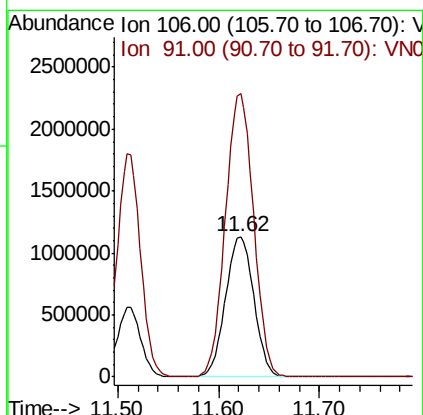
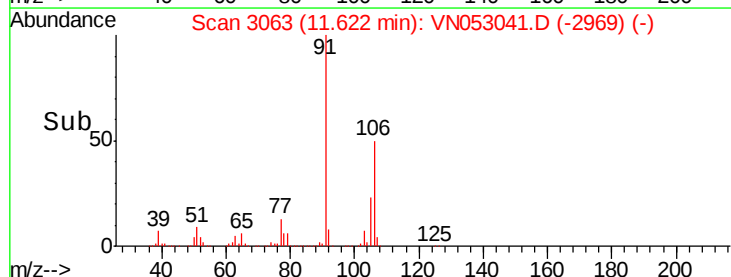
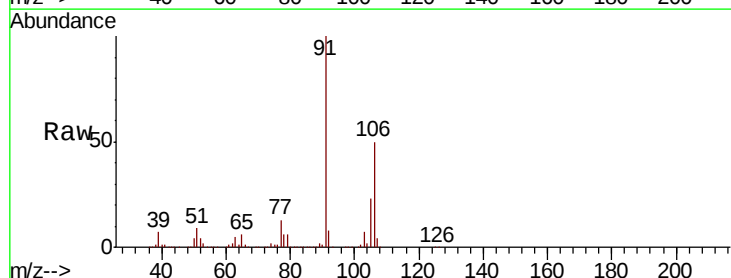
Acq: 20 Dec 2018 5:30

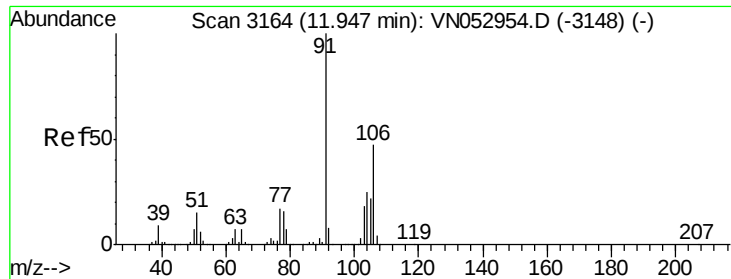
Tgt Ion: 106 Resp: 2211931

Ion Ratio Lower Upper

106 100

91 201.9 162.2 243.4

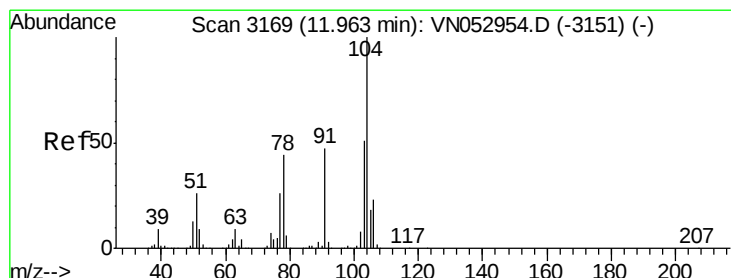
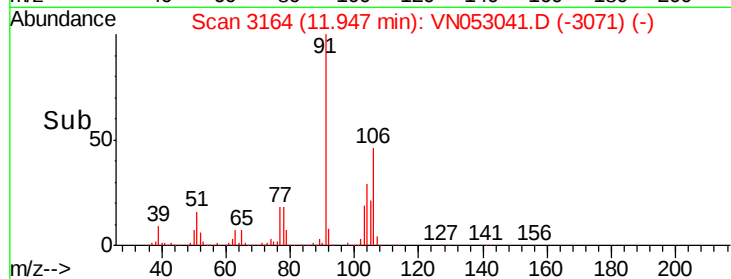
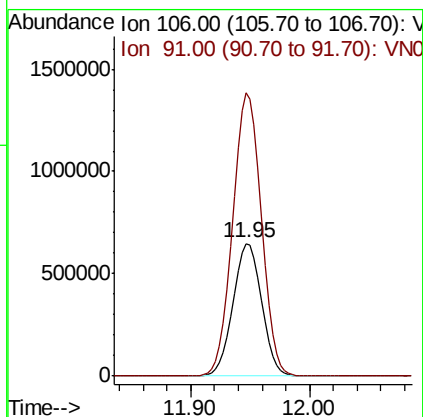
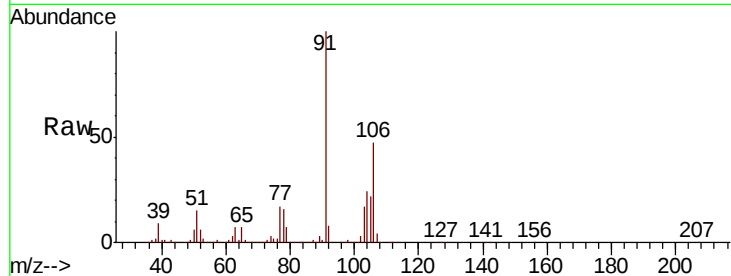




#69
o-Xylene
Concen: 49.334 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

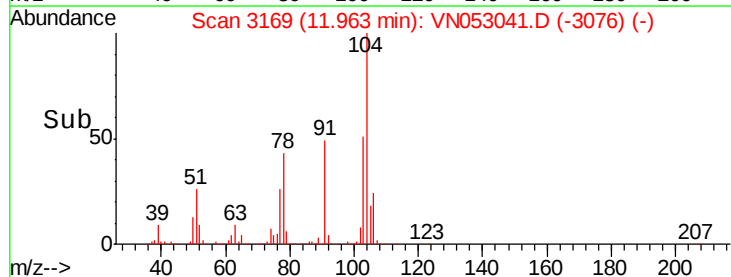
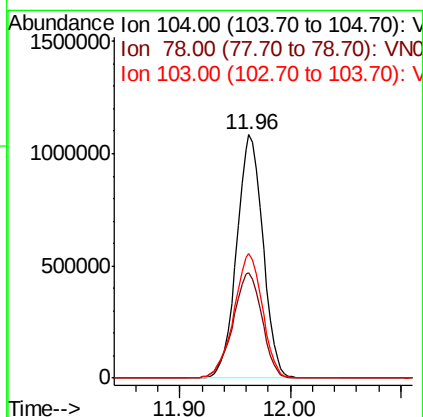
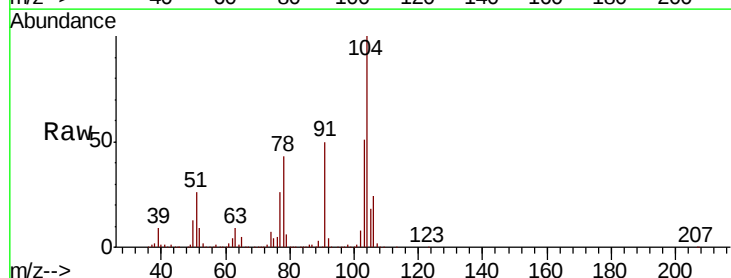
Instrument :
MSVOA_N
ClientSampled :

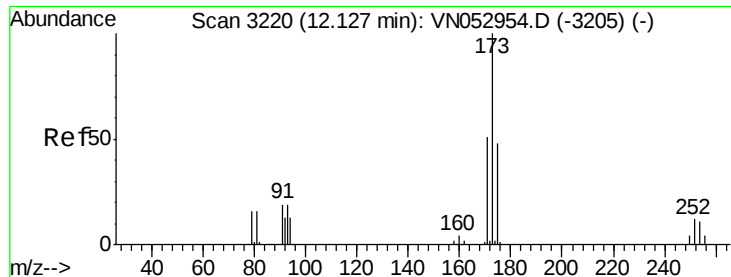
Tot Ion:106 Resp: 1083657
Ion Ratio Lower Upper
106 100
91 212.7 106.6 319.8



#70
Styrene
Concen: 49.874 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053041.D
Acq: 20 Dec 2018 5:30

Tgt Ion:104 Resp: 1786379
Ion Ratio Lower Upper
104 100
78 48.0 38.9 58.3
103 55.4 44.3 66.5





#71

Bromoform

Concen: 46.295 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

ClientSampleId :

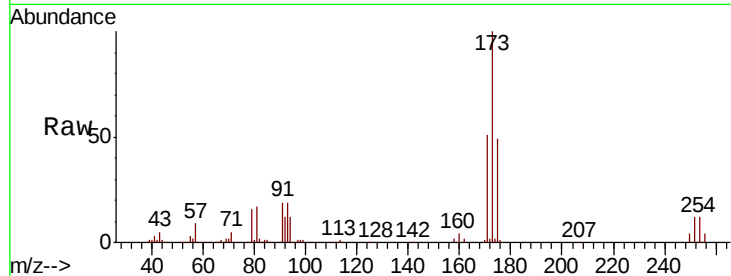
Tot Ion:173 Resp: 407215

Ion Ratio Lower Upper

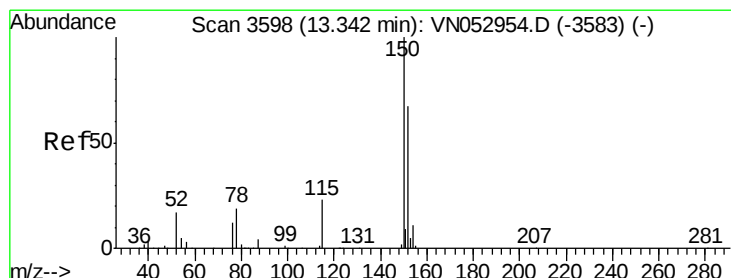
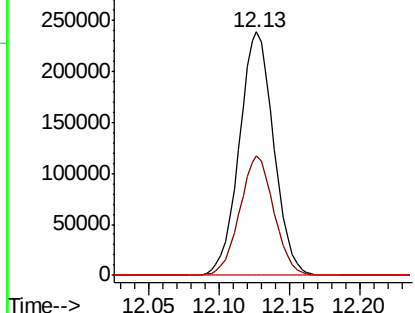
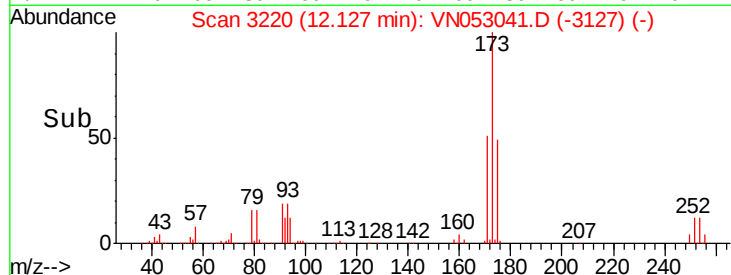
173 100

175 48.6 24.3 72.9

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

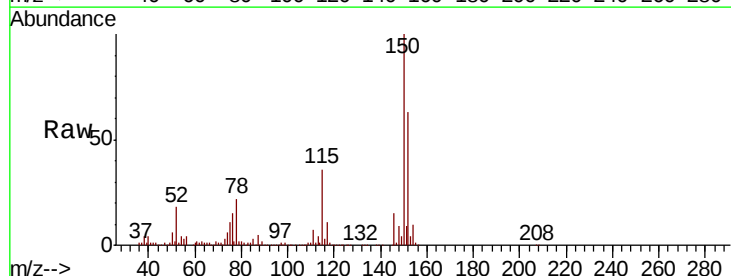
Tgt Ion:152 Resp: 687379

Ion Ratio Lower Upper

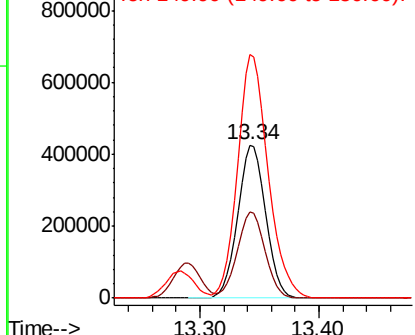
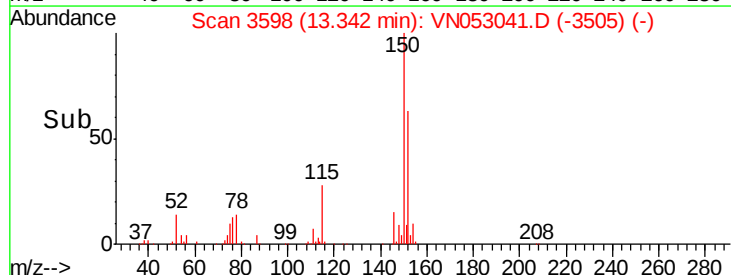
152 100

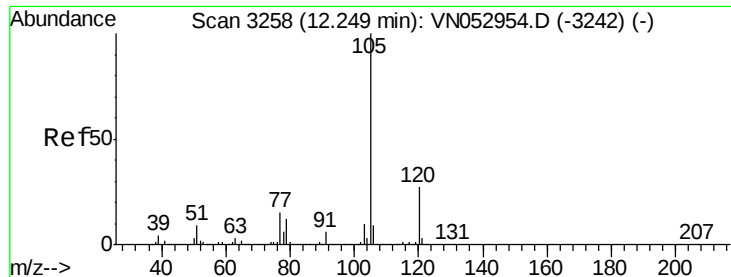
115 56.3 28.3 85.0

150 174.3 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.884 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

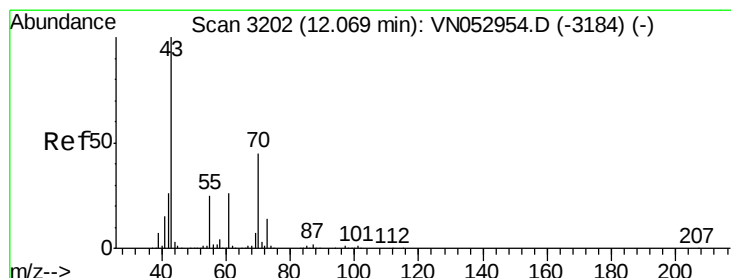
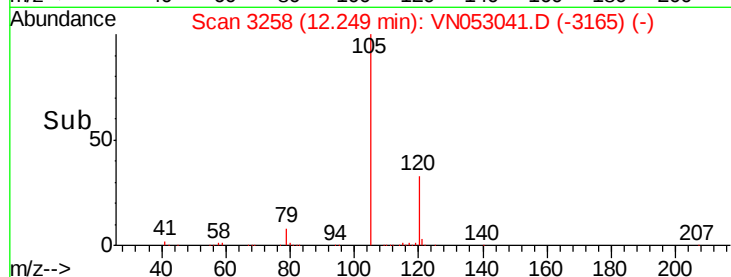
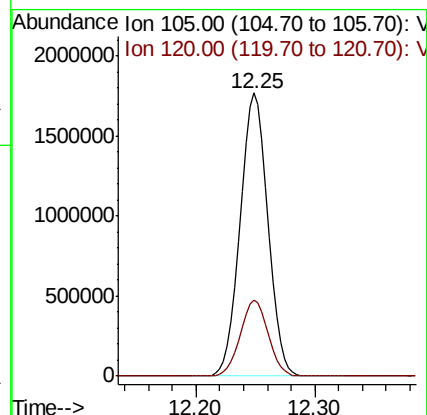
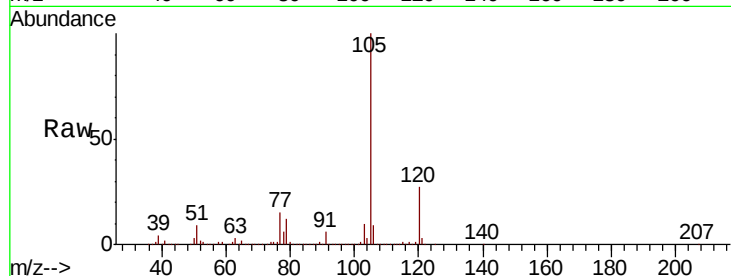
ClientSampled :

Tot Ion:105 Resp: 2844195

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



#74

N-ethyl acetate

Concen: 59.961 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Tgt Ion: 43 Resp: 895313

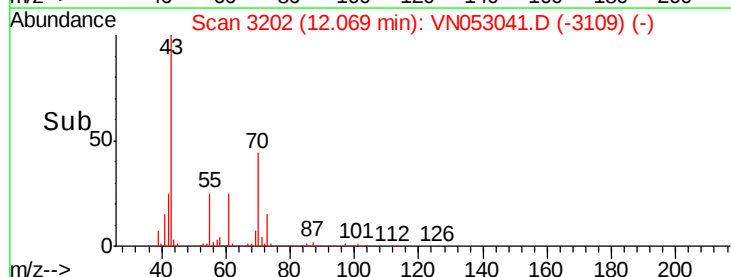
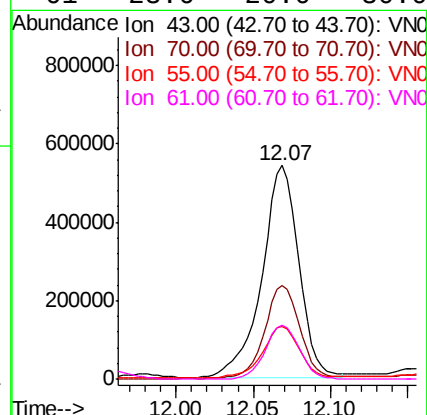
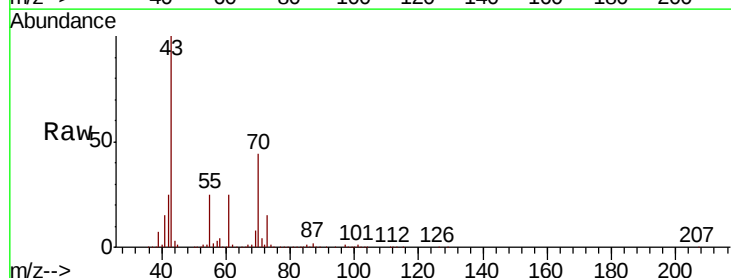
Ion Ratio Lower Upper

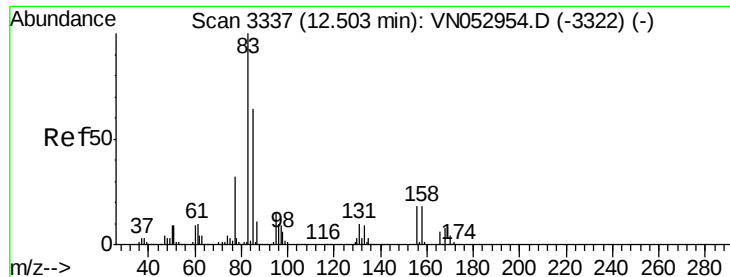
43 100

70 41.8 34.2 51.4

55 24.2 20.3 30.5

61 23.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.838 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

ClientSampleId :

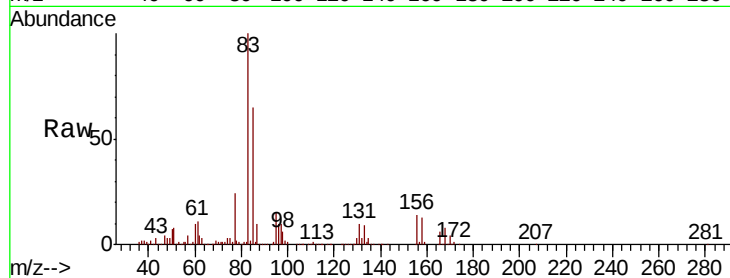
Tot Ion: 83 Resp: 589156

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	65.2	32.4	97.0

83 100

131 10.5 5.2 15.6

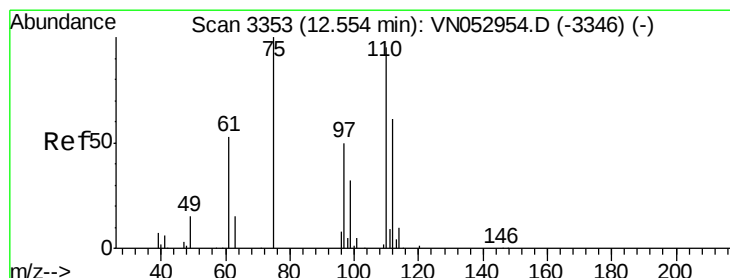
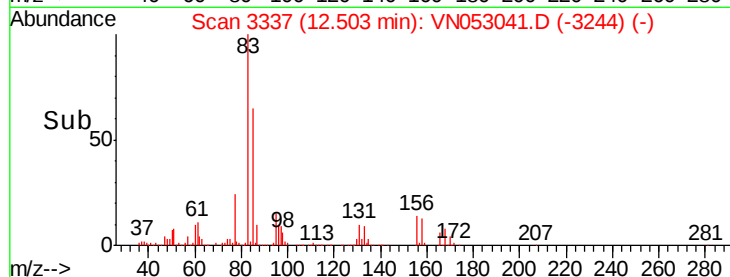
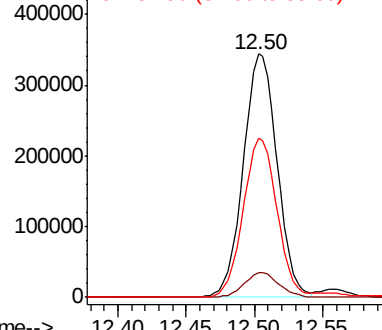
85 65.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 68.105 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053041.D

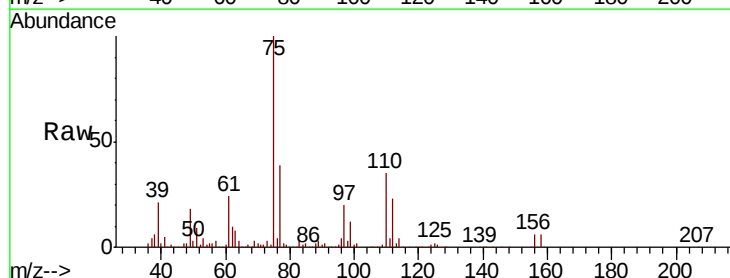
Acq: 20 Dec 2018 5:30

Tgt Ion: 75 Resp: 788068

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

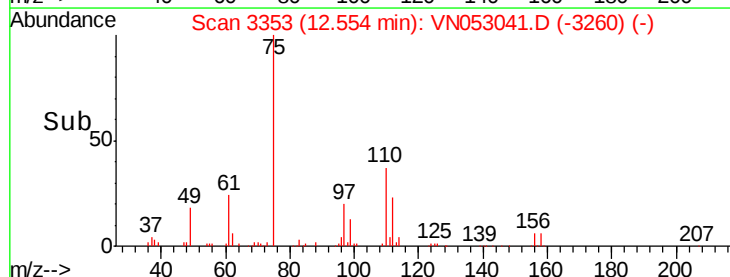
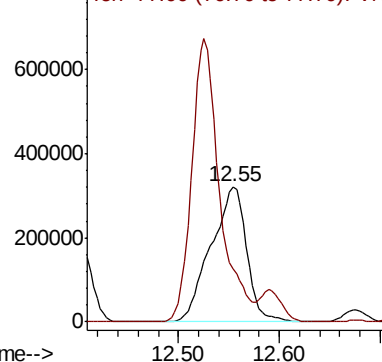
75 100

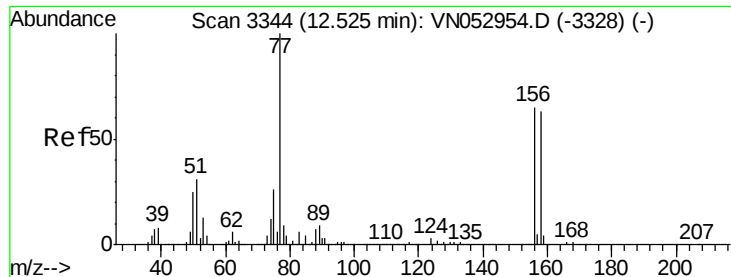
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 52.619 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

ClientSampled :

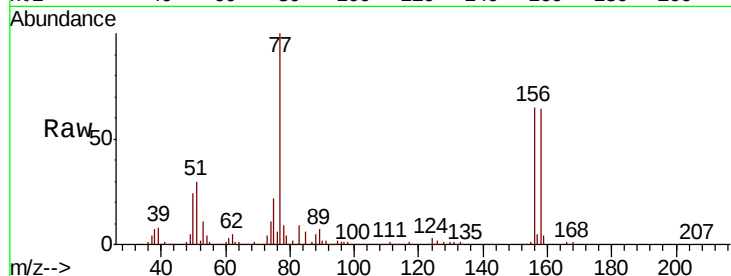
Tot Ion:156 Resp: 735618

Ion Ratio Lower Upper

156 100

77 177.1 91.3 273.8

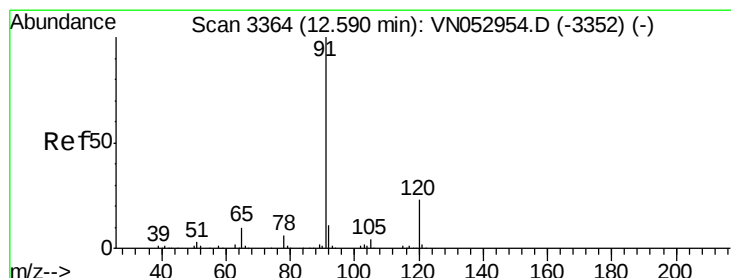
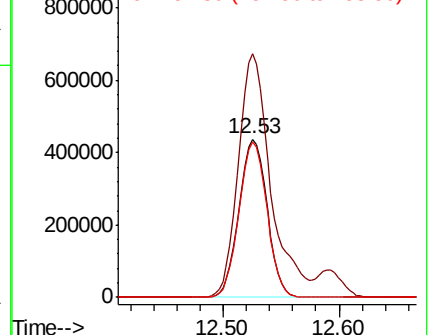
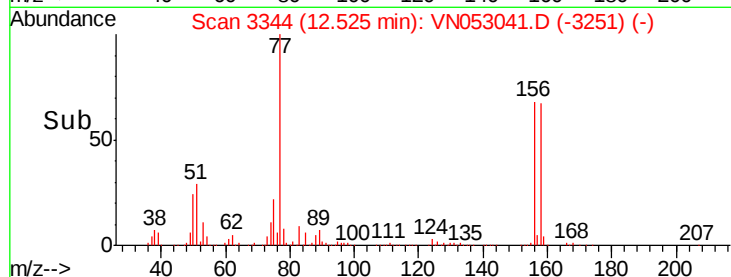
158 97.0 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.154 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053041.D

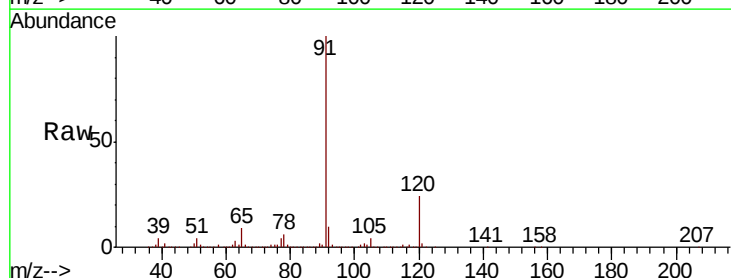
Acq: 20 Dec 2018 5:30

Tgt Ion: 91 Resp: 3194532

Ion Ratio Lower Upper

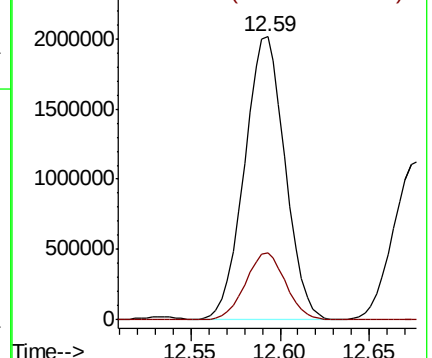
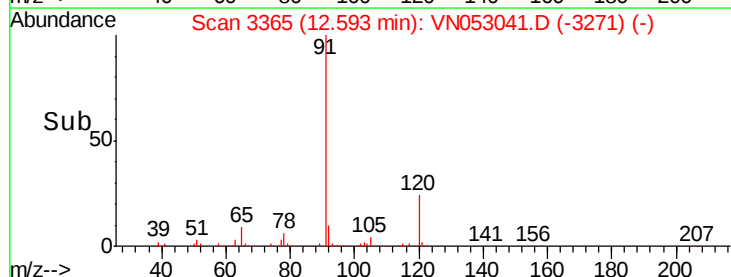
91 100

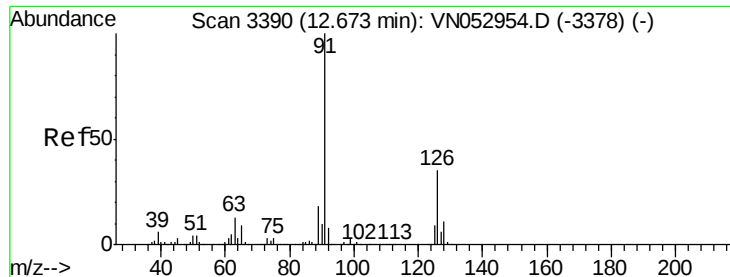
120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.044 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

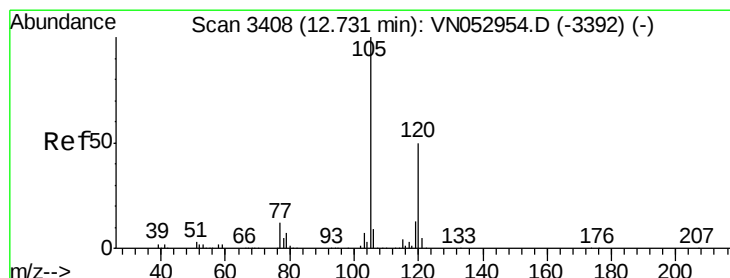
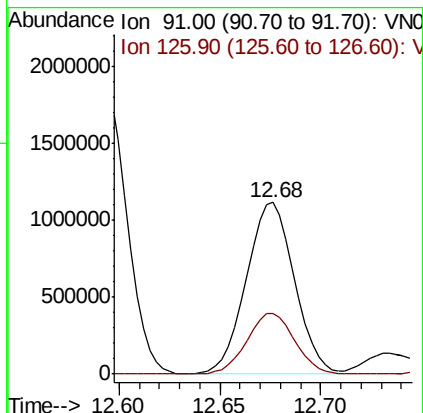
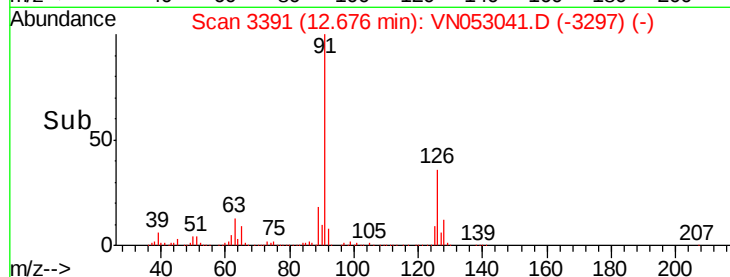
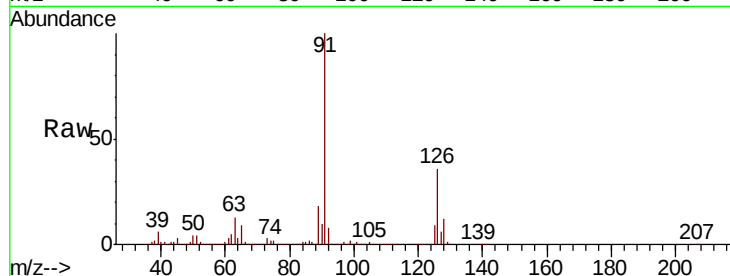
ClientSampleId :

Tot Ion: 91 Resp: 1862062

Ion Ratio Lower Upper

91 100

126 35.5 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 50.788 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053041.D

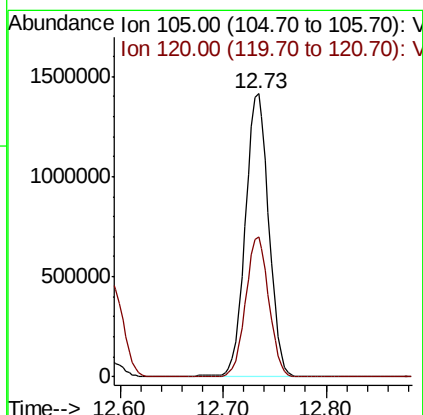
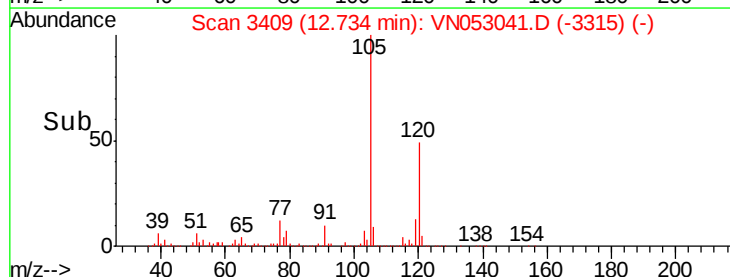
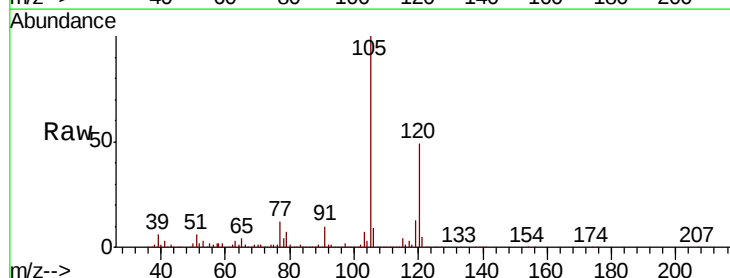
Acq: 20 Dec 2018 5:30

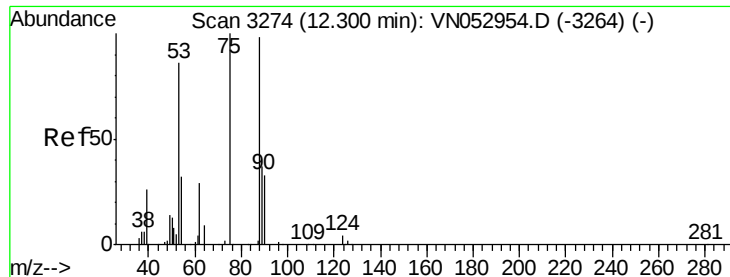
Tgt Ion: 105 Resp: 2226355

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.526 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

ClientSampleId :

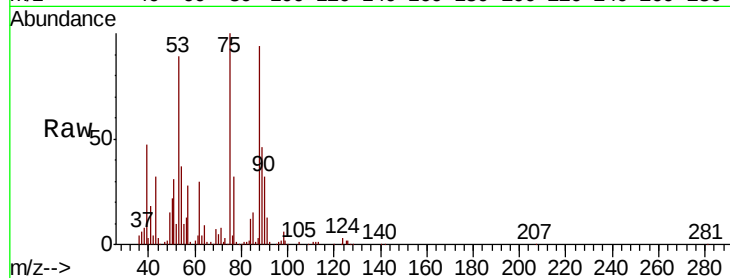
Tot Ion: 75 Resp: 167032

Ion Ratio Lower Upper

75 100

53 91.0 74.7 112.1

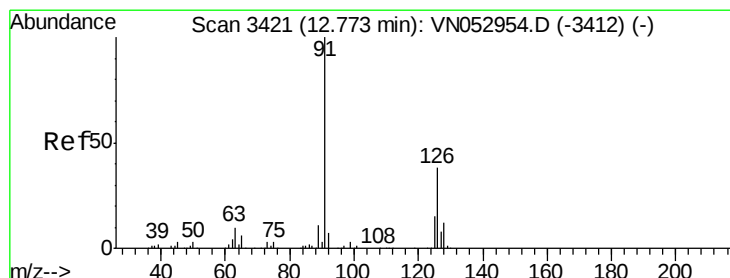
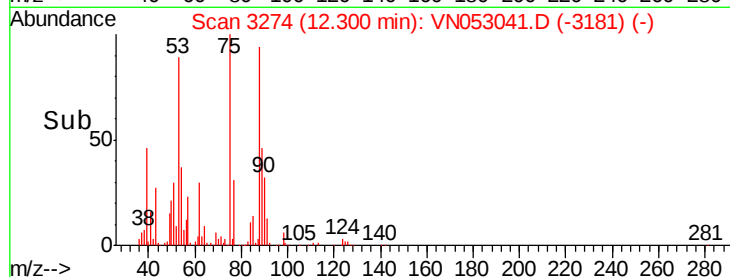
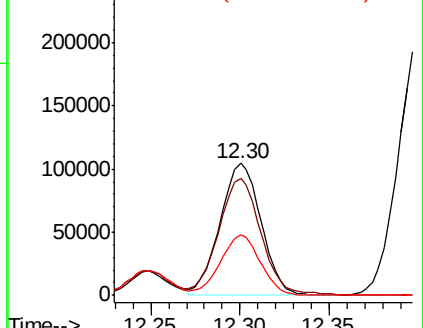
89 44.8 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.927 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053041.D

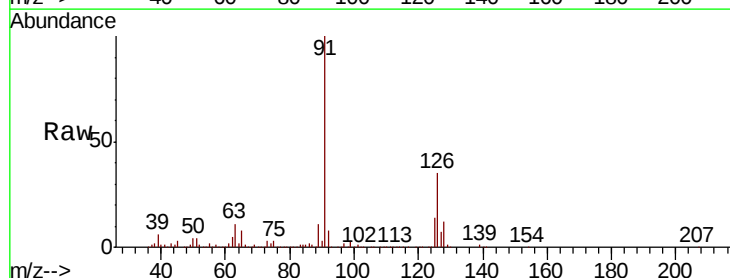
Acq: 20 Dec 2018 5:30

Tgt Ion: 91 Resp: 1892744

Ion Ratio Lower Upper

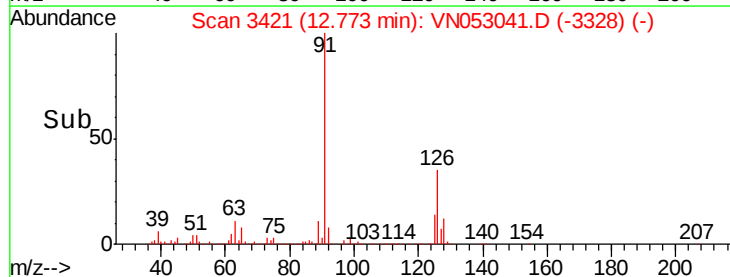
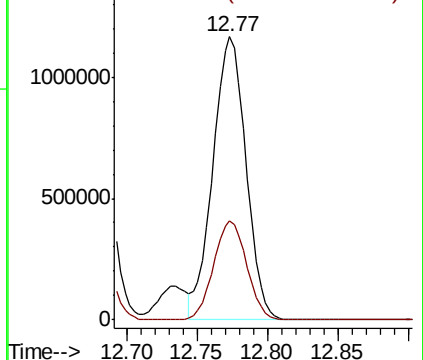
91 100

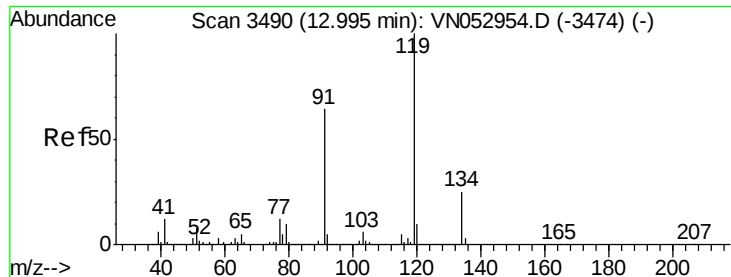
126 35.0 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.299 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

ClientSampleId :

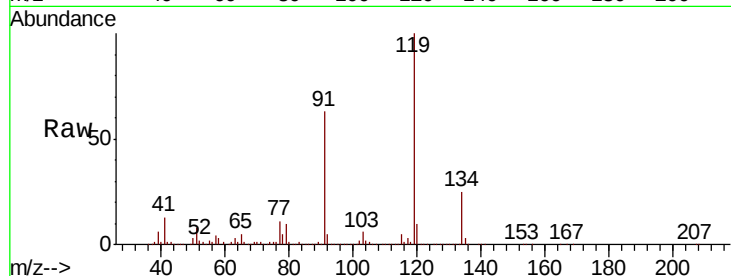
Tot Ion:119 Resp: 1950066

Ion	Ratio	Lower	Upper
119	100		
91	63.1	31.9	95.5
134	25.7	12.8	38.4

119 100

91 63.1 31.9 95.5

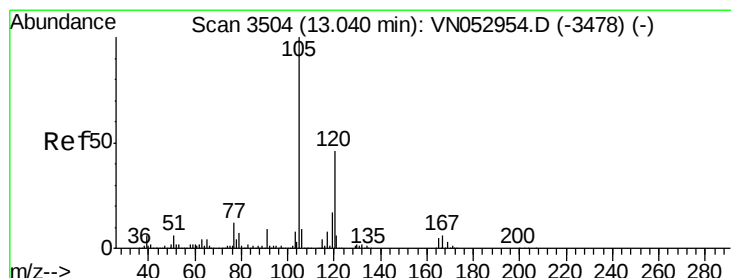
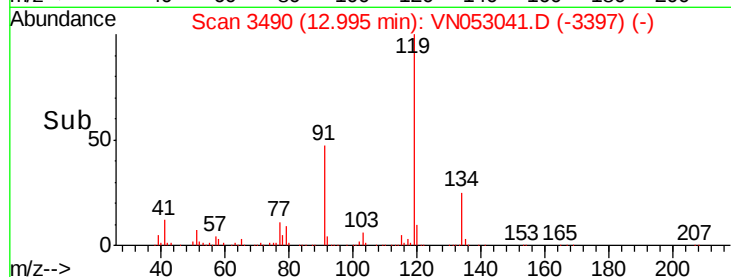
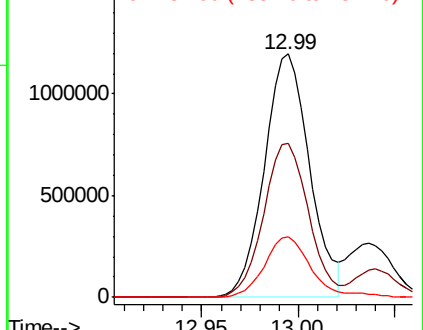
134 25.7 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.801 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053041.D

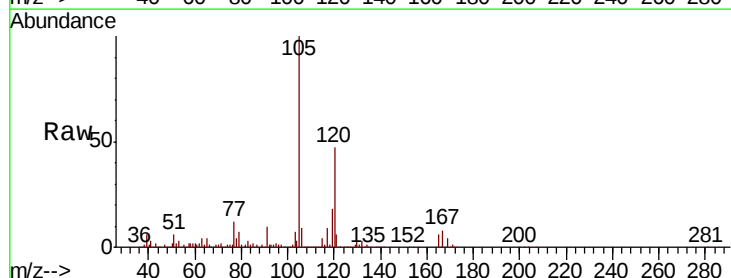
Acq: 20 Dec 2018 5:30

Tgt Ion:105 Resp: 2282765

Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.8

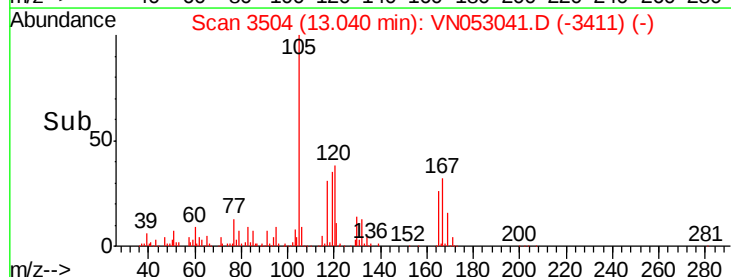
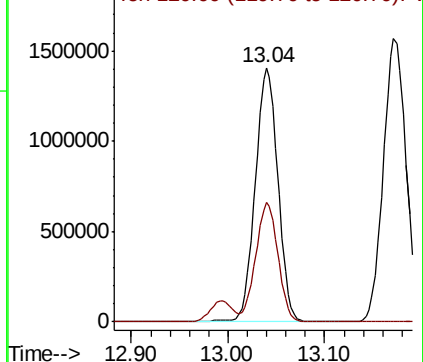
105 100

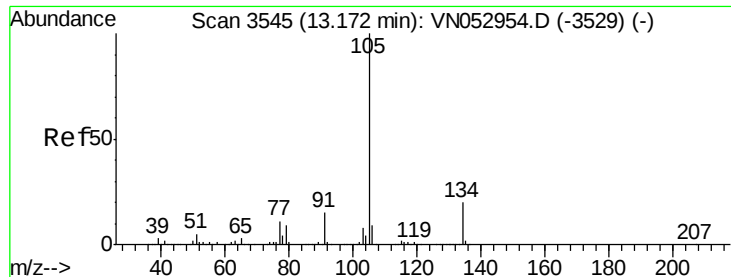
120 46.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

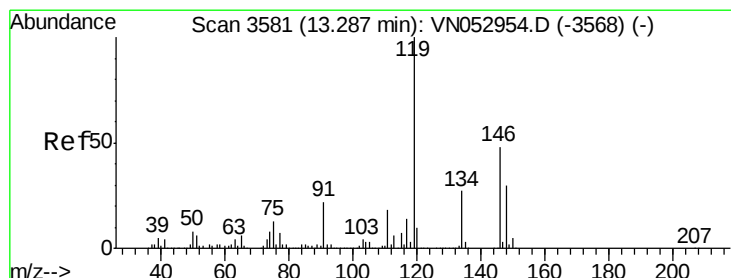
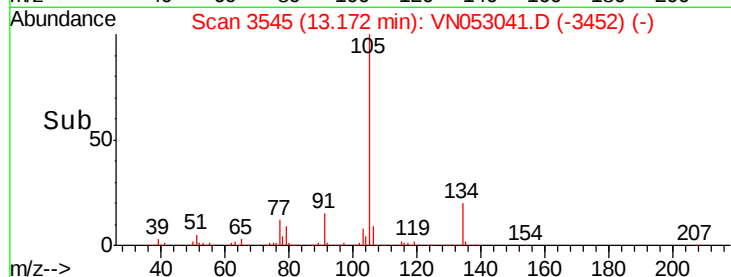
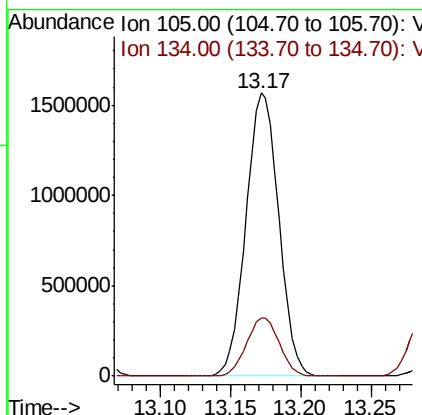
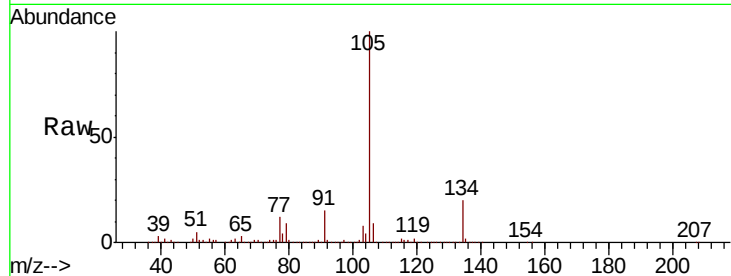




#85
 sec-Butylbenzene
 Concen: 48.647 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

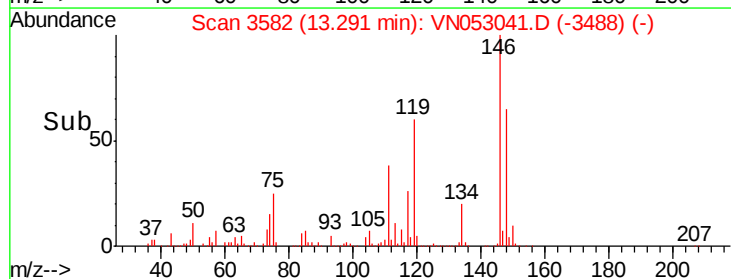
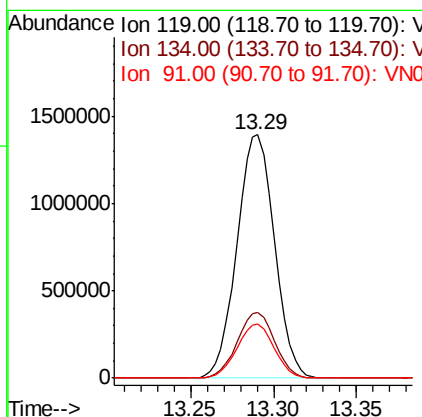
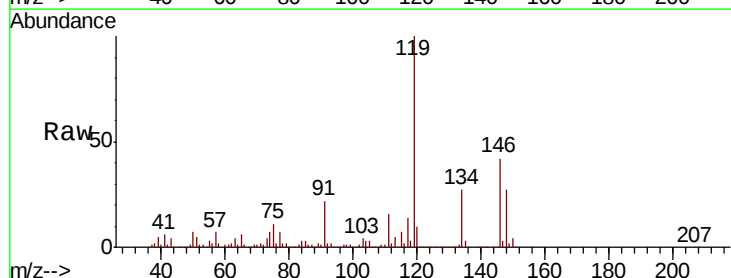
Instrument :
 MSVOA_N
 ClientSampleId :

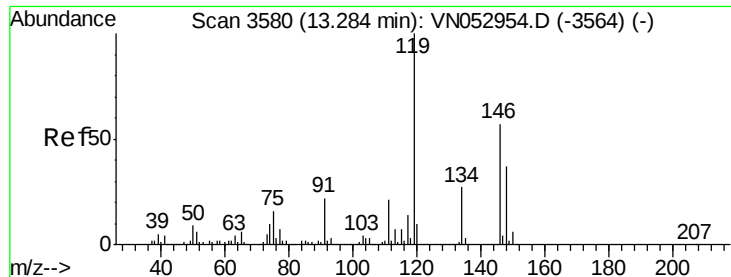
Tot Ion:105 Resp: 2551029
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 48.381 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

Tgt Ion:119 Resp: 2192235
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.2
 91 21.9 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 48.709 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

ClientSampled :

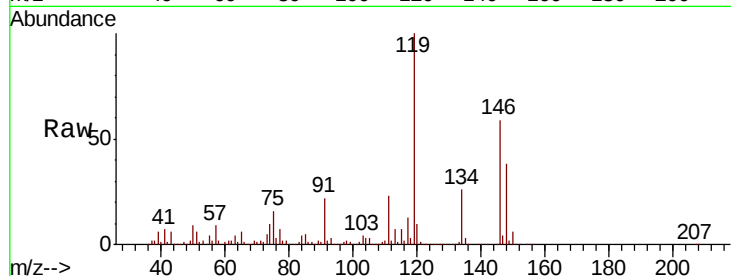
Tot Ion:146 Resp: 1205222

Ion Ratio Lower Upper

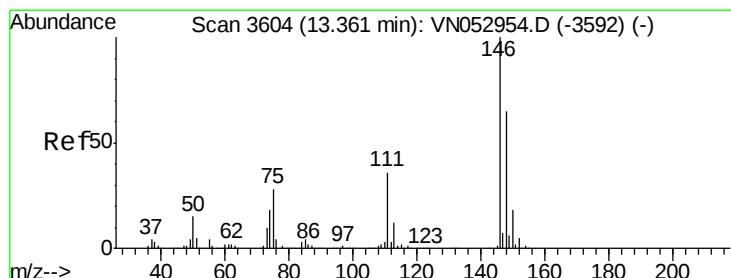
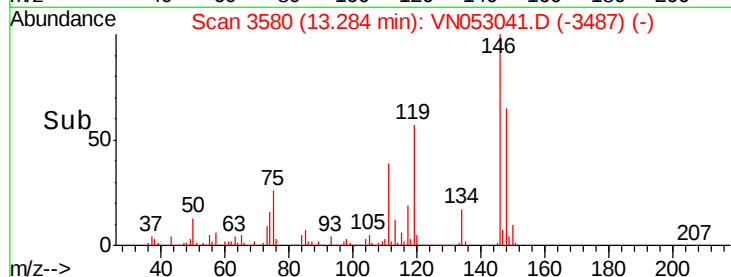
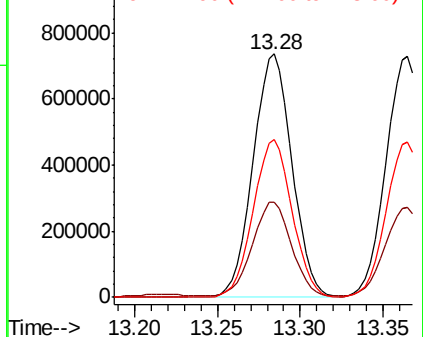
146 100

111 38.5 19.1 57.1

148 64.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
1000000 Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.644 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

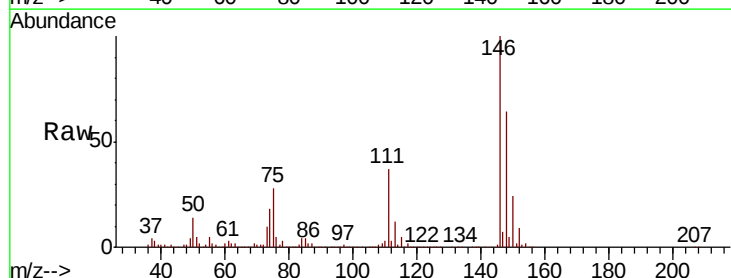
Tgt Ion:146 Resp: 1193822

Ion Ratio Lower Upper

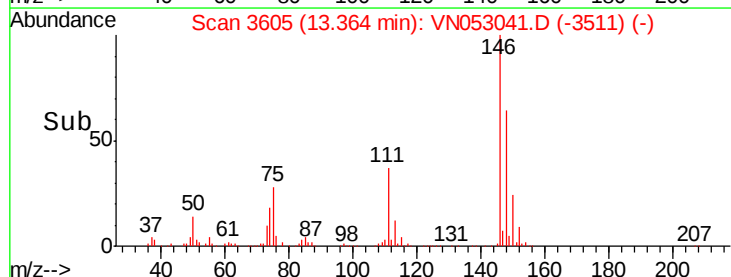
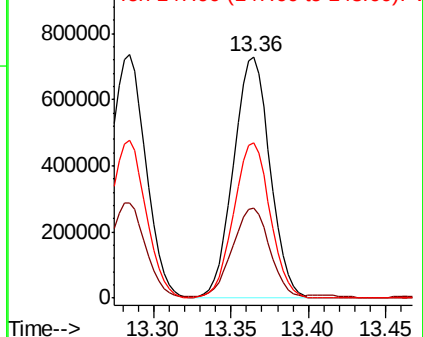
146 100

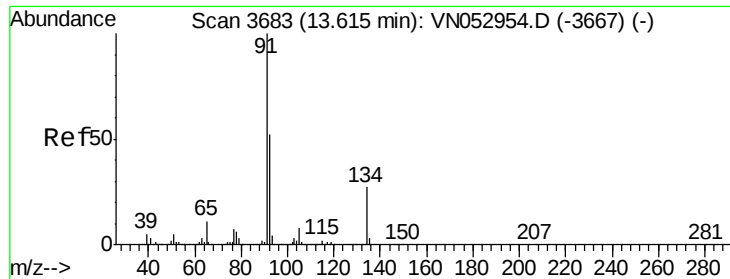
111 37.3 18.6 55.8

148 64.3 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
1000000 Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 45.565 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

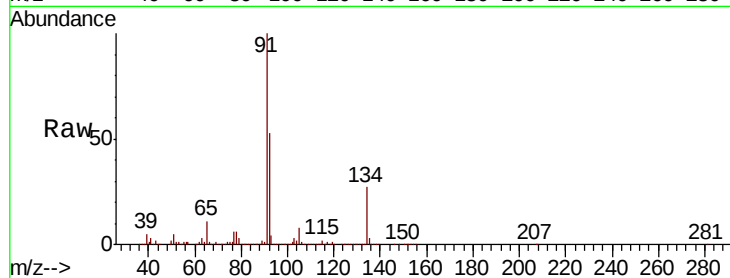
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 91 Resp: 1776258

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.3	78.9
134	27.2	13.3	39.8

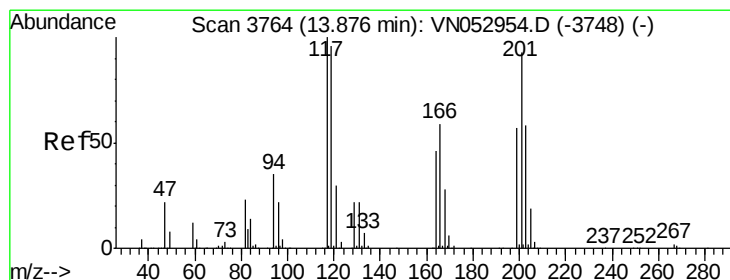
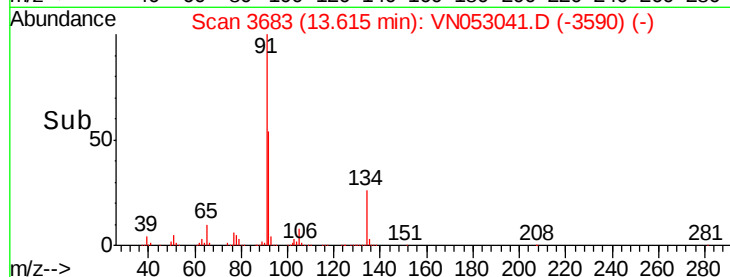
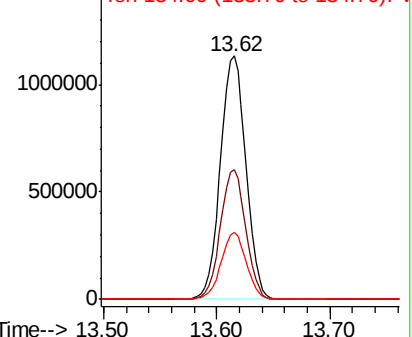


Abundance

Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 47.128 ug/l

RT: 13.88 min Scan# 3764

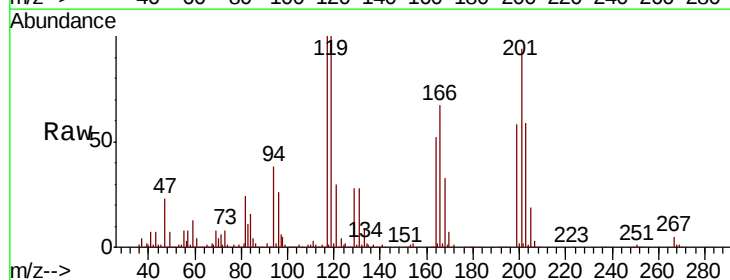
Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Tgt Ion: 117 Resp: 327702

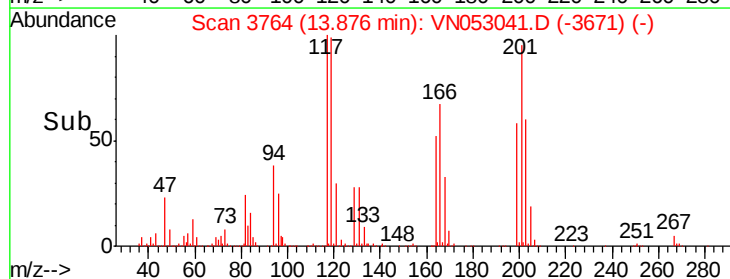
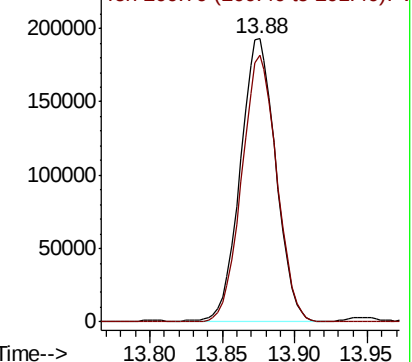
Ion	Ratio	Lower	Upper
117	100		
201	93.4	45.7	137.1

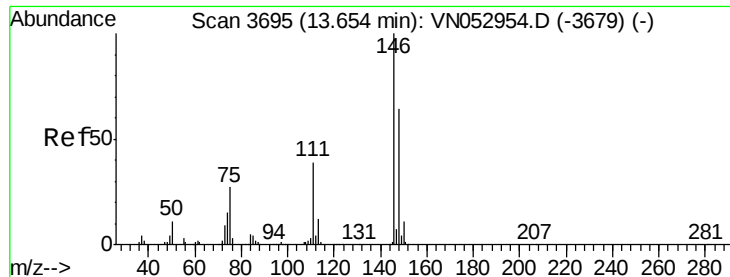


Abundance

Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 47.867 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

ClientSampleId :

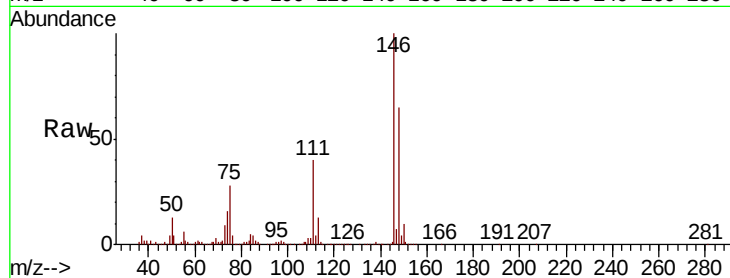
Tot Ion:146 Resp: 1114664

Ion Ratio Lower Upper

146 100

111 41.7 19.7 59.0

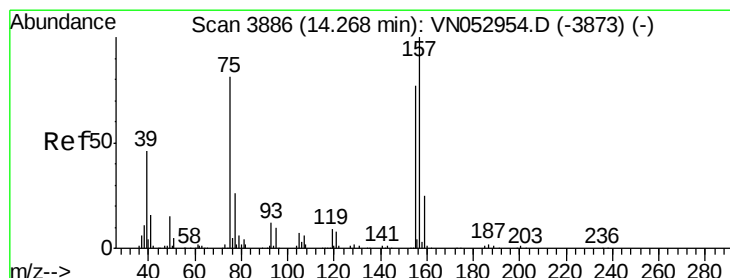
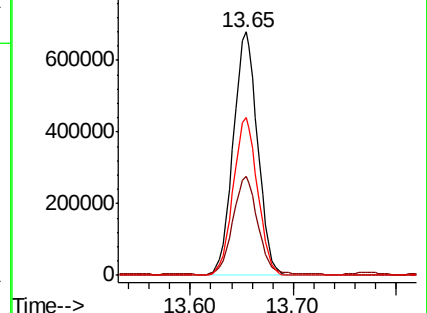
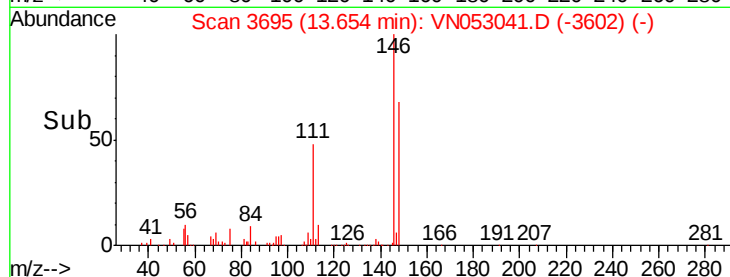
148 64.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.362 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

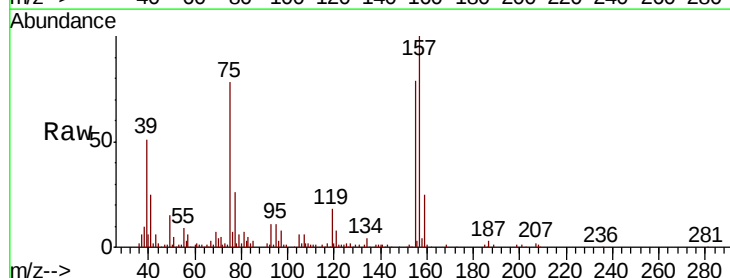
Tgt Ion: 75 Resp: 82756

Ion Ratio Lower Upper

75 100

155 98.8 48.2 144.6

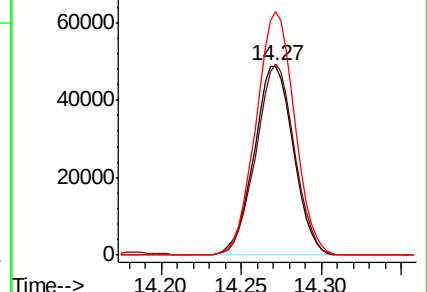
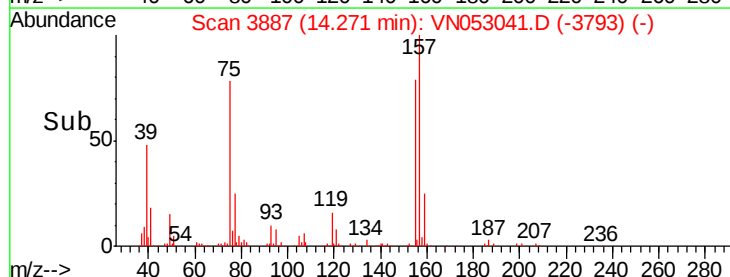
157 126.6 61.2 183.5

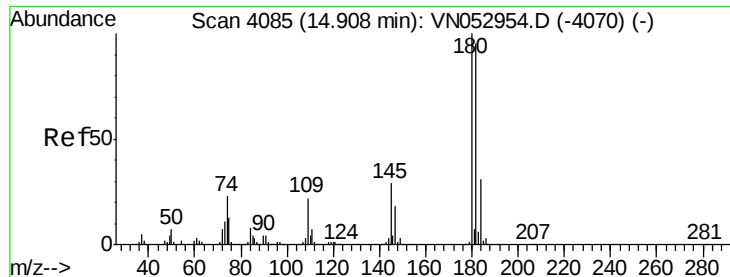


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

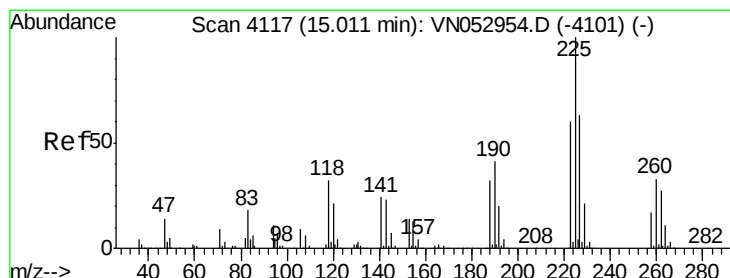
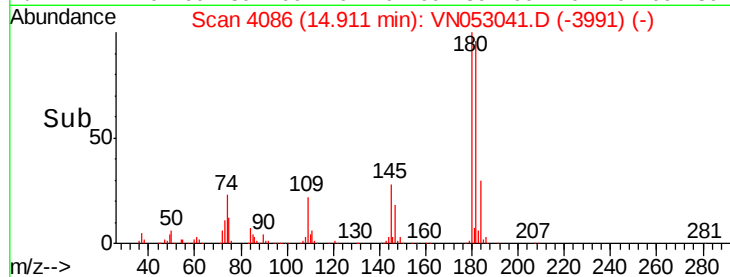
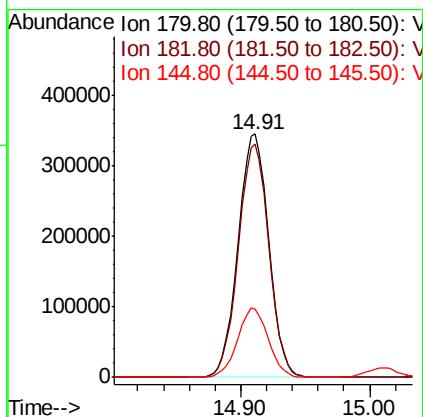
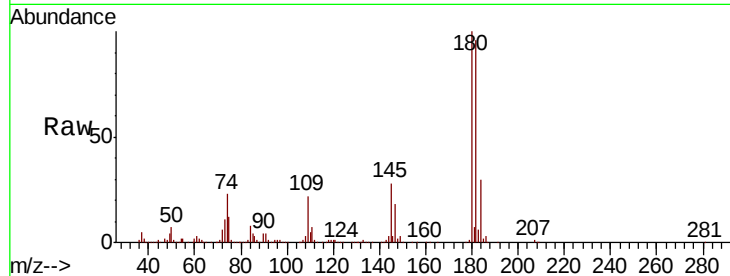




#93
 1,2,4-Trichlorobenzene
 Concen: 46.202 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

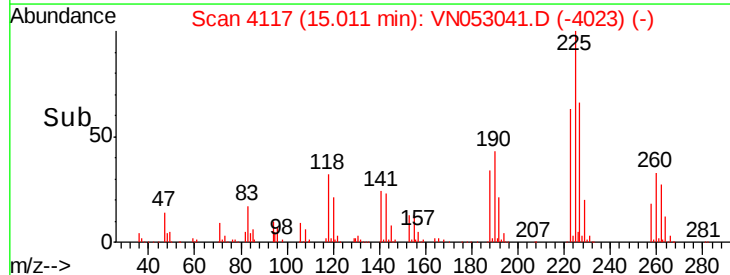
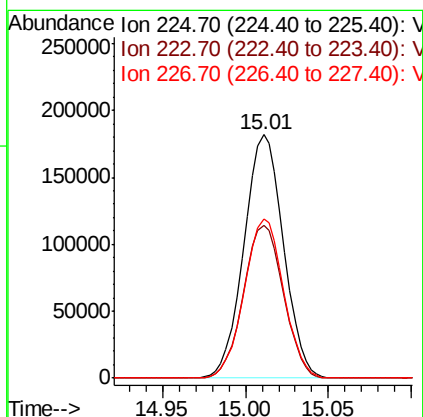
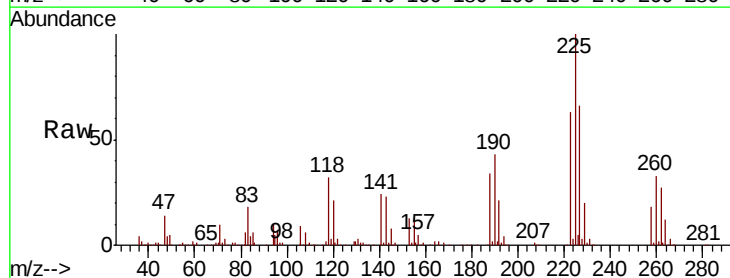
Instrument :
 MSVOA_N
 ClientSampled :

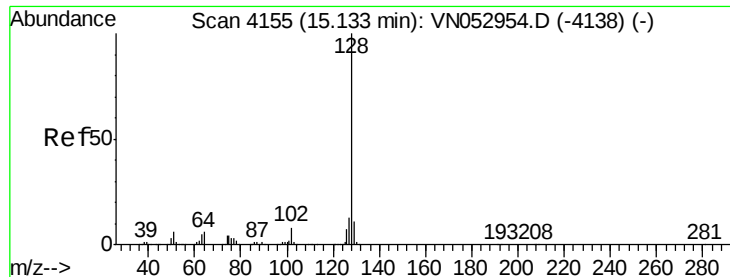
Tot Ion:180 Resp: 569459
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.8 143.3
 145 28.4 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 46.818 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053041.D
 Acq: 20 Dec 2018 5:30

Tgt Ion:225 Resp: 300246
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.5 94.5
 227 65.4 31.9 95.7





#95

Naphthalene

Concen: 47.203 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA_N

ClientSampleId :

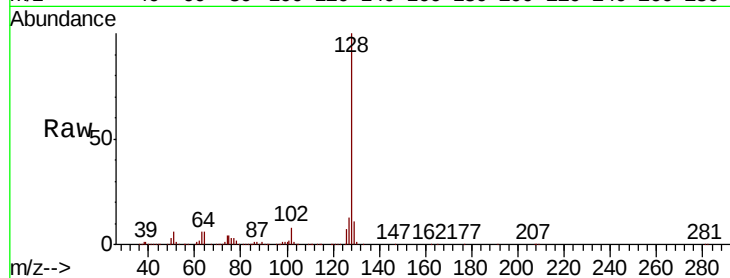
Tot Ion:128 Resp: 1273935

Ion Ratio Lower Upper

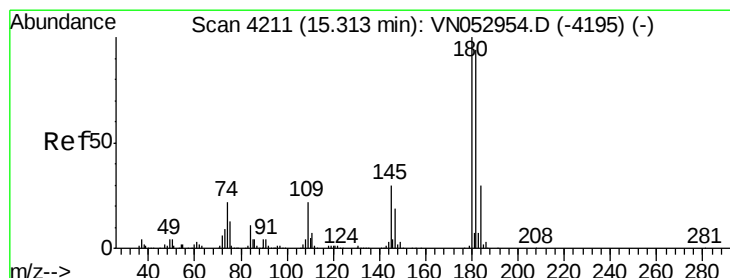
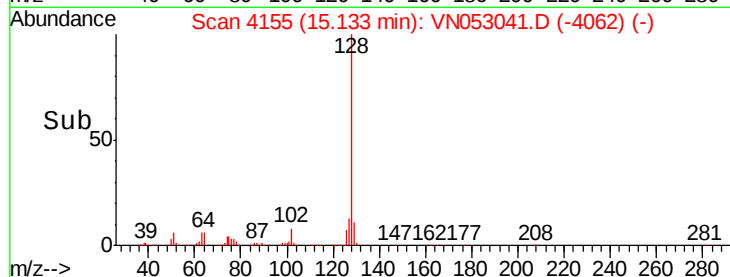
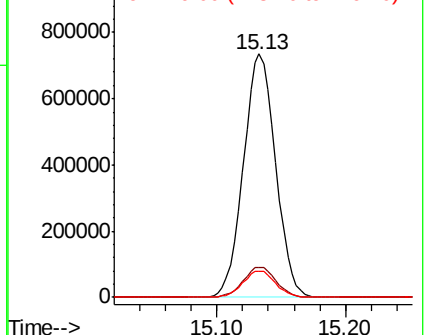
128 100

127 12.6 10.2 15.4

129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.192 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

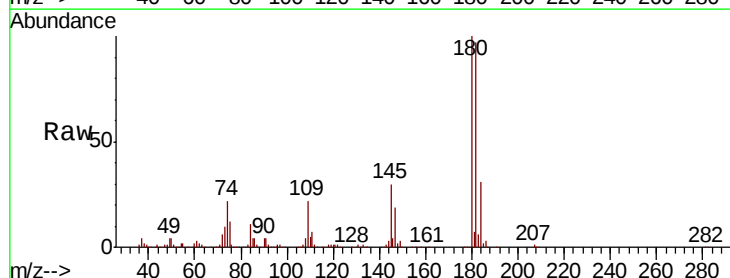
Tgt Ion:180 Resp: 512756

Ion Ratio Lower Upper

180 100

182 96.7 47.9 143.7

145 30.3 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

